



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021102301

The Commissioner of Patents has granted the above patent on 2 June 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Parmod Kumar of Associate Professor, School of Energy & Electromechanical Eng, Hunan University of Humanities Science and Technology Loudi City, Hunan China

Divyanshu Sinha of K 169, Ground floor, Sarita Vihar New Delhi 110076 India

Pooja Singh of Assistant Professor, Dept. of Computer Science & Engineering, Amity School of Engineering & Technology Delhi, Amity University Noida, Sector-125, Uttar Pradesh India

Rabinarayan Satpathy of Professor of, Computer Science and Engineering (FMS), Director VC Office SRI SRI University Cuttack, Odisha India

SK Dhakad of Associate Professor, Department of Mechanical Engineering, UIT - RGPV -Shivpuri, Satnawada Madhya Pradesh India

Priyanka Vashisht of Assistant Professor, Dept. of Computer Science & Engineering, The NorthCap University Sector 23 A, Gurugram India

Meghna Sharma of Assistant Professor, Dept. of Computer Science & Engineering, The NorthCap University Sector 23 A, Gurugram India

Navneet Sangle of Associate Professor, Department of Mathematics, D.Y.Patil College of Engineering & Tech. Maharashtra India

Niranjanamurthy M of Assistant Professor, Department of Computer Applications, M S Ramaiah Institute of Technology Mattikere, Bangalore Karnataka India

Vineet Dahiya of Associate Professor, Dept. of Electrical & Electronics Eng., School of Engineering and Technology K R Mangalam University Gurgaon, Haryana India

Pavithra G. of Associate Professor, Dept. of Electronics & Communication Eng, Dayananda Sagar College of Engineering Bangalore, Karnataka India

Title of invention:

DECISION SUPPORT SYSTEM BASED ON MACHINE LEARNING AND DEEP LEARNING FOR SECURE DATA MANAGEMENT

Name of inventor(s):

Kumar, Parmod; Sinha, Divyanshu; Singh, Pooja; Satpathy, Rabinarayan; Dhakad, S. K.; Vashisht, Priyanka; Sharma, Meghna; Sangle, Navneet; M., Niranjanamurthy; Dahiya, Vineet and G., Pavithra

Term of Patent:

Eight years from 30 April 2021




Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Dated this 2nd day of June 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.



Application Details

2021102970
: A PROCESS FOR PREPARING HYBRID CONCRETE AND HYBRID CONCRETE THERE OF

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021102970	Patent application type	Innovation	
Application status	GRANTED	Paid to date	2023-05-30	First IPC Mark
Currently under opposition	No	Proceeding type(s)		
Invention title	A PROCESS FOR PREPARING HYBRID CONCRETE AND HYBRID CONCRETE THERE OF			
Inventor(s)	Kumar, Kaushal			
Agent name	Kumar, Dr. Kaushal	Address for legal service	SA 5021 Australia show full address	
Filing date	2021-05-30	Australian OPI date		OPI published in journal
Effective date of patent	2021-05-30	Expiry date	2029-05-30	
Additional/Divisional application number		Additional/Divisional relationship		

Applicant details

Applicant Old name(s)	Kumar, Kaushal	Applicant address	K.R. Mangalam University Gurugram India
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IPC details

Int Cl.	Version	First Mark
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Priority details

Associated provisional(s)

SPECIFICATION/E-REGISTER
EDOSSIER
LIFECYCLE DETAILS
FEE/PUBLICATION HISTORY
OWNERSHIP DETAILS
OPPOSITIONS, DISPUTES & AMENDMENTS

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This is current as of 2022-05-10 18:00 AEST.


Registrar
K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

Droit d'auteur

CERTIFICAT D'ENREGISTREMENT

1187097

Numéro d'enregistrement
Registration number

Ce certificat d'enregistrement est émis conformément aux articles 49 et 53 de la Loi sur le droit d'auteur. Le droit d'auteur sur l'oeuvre a été enregistré à la date d'enregistrement et selon les détails indiqués dans les présentes.

This Certificate of Registration is issued pursuant to sections 49 and 53 of the Copyright Act. The copyright in the work was registered on the date of registration and as detailed herein.



Membre du personnel du Bureau du droit d'auteur
Officer of the Copyright Office

Copyright

CERTIFICATE OF REGISTRATION

Date d'enregistrement /
Date of registration

08 OCT / OCT 2021

Titre /
Title

EVALUATION OF SULFONAMIDES AS
PROMISING ANTI-VIRAL LEAD MOLECULES
DOCKED AGAINST ANTI-COVID-19

Catégorie /
Category

LITTÉRAIRE / LITERARY

Titulaire(s) /
Owner(s)

CHANDRA MOHAN
ASSISTANT PROFESSOR, K R MANGALAM
UNIVERSITY, SOHNA ROAD
GURUGRAM, HARYANA
India, 122103

VINOD KUMAR
ASSISTANT PROFESSOR SMAS, K R
MANGALAM UNIVERSITY, SOHNA ROAD,
GURUGRAM
India, 122103

ANURADHA SAHA
ASSISTANT PROFESSOR, DEPARTMENT OF
APPLIED SCIENCES, GALGOTIAS COLLEGE OF
ENGINEERING AND TECHNOLOGY,
KNOWLEDGE PARK II
GREATER NOIDA
India, 201306


Registrar

K.R. Mangalam University
Sohna Road. Gurugram (Haryana)



Application Details
2021105517
: A THREE-INPUT EXCLUSIVE NOR GATE DEVICE

BIBLIOGRAPHIC DATA

Application details


Australian application number	2021105517	Patent application type	Innovation		
Application status	GRANTED	Paid to date	2023-08-15	First IPC Mark	H03M 13/00 (2021.01)
Currently under opposition	No	Proceeding type(s)			
Invention title	A THREE-INPUT EXCLUSIVE NOR GATE DEVICE				
Inventor(s)	Kumar Saini, Jitendra ; Musala, Sarada ; Kumawat, Renu ; Srinivasulu, Avireni				
Agent name	Kumar Saini, Dr. Jitendra	Address for legal service	VIC 3046 Australia show full address		
Filing date	2021-08-15	Australian OPI date	2021-11-04	OPI published in journal	
Effective date of patent	2021-08-15	Expiry date	2029-08-15		
Additional/Divisional application number		Additional/Divisional relationship			

Applicant details
IPC details
Priority details
Associated provisional(s)

SPECIFICATION/E-REGISTER
EDOSSIER
LIFECYCLE DETAILS
FEE/PUBLICATION HISTORY
OWNERSHIP DETAILS
OPPOSITIONS, DISPUTES & AMENDMENTS

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This data is current as of 2022-05-10 18:00 AEST.


Registrar
K.R. Mangalam University
Sohna Road. Gurugram (Haryana)



Application Details

2021105545
: AN RFID BASED RETAIL SHOPPING SYSTEM AND METHOD USING A SMART WEARABLE DEVICE

BIBLIOGRAPHIC DATA

Application details


Australian application number	2021105545	Patent application type	Innovation		
Application status	GRANTED	Paid to date	2023-08-15	First IPC Mark	G06Q 30/02 (2021.01)
Currently under opposition	No	Proceeding type(s)			
Invention title	AN RFID BASED RETAIL SHOPPING SYSTEM AND METHOD USING A SMART WEARABLE DEVICE				
Inventor(s)	Bhargav, Appasani ; Kumar Singh, Sachin ; Kumar, Prashant ; Mishra, Sunil Kumar ; Srinivasulu, Avireni ; Nsengiyumva, Philibert				
Agent name	Bhargav, Dr. Appasani	Address for legal service	VIC 3046 Australia	show full address	
Filing date	2021-08-15	Australian OPI date	2021-11-18	OPI published in journal	
Effective date of patent	2021-08-15	Expiry date	2029-08-15		
Additional/Divisional application number		Additional/Divisional relationship			

- Applicant details
- IPC details
- Priority details
- Associated provisional(s)

SPECIFICATION/E-REGISTER
EDOSSIER
LIFECYCLE DETAILS
FEE/PUBLICATION HISTORY
OWNERSHIP DETAILS
OPPOSITIONS, DISPUTES & AMENDMENTS

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This data is current as of 2022-05-10 18:00 AEST.


Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)



Application Details

2021107052
: METHOD TO ANALYZE ENABLING FACTORS AFFECTING PERFORMANCE CONSTRUCTION PROJECTS IN ARCHITECTURE ENGINEERING AND CONSTRUCTION INDUSTRY

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021107052	Patent application type	Innovation		
Application status	GRANTED	Paid to date	2023-08-24	First IPC Mark	G06Q 50/08 (2021.01)
Currently under opposition	No	Proceeding type(s)			
Invention title	METHOD TO ANALYZE ENABLING FACTORS AFFECTING PERFORMANCE CONSTRUCTION PROJECTS IN ARCHITECTURE ENGINEERING AND CONSTRUCTION INDUSTRY				
Inventor(s)	Dixit, Saurav				
Agent name	Dixit, Prof (Dr) Saurav	Address for legal service	WA 6017 Australia show full address		
Filing date	2021-08-24	Australian OPI date	2021-12-02	OPI published in journal	
Effective date of patent	2021-08-24	Expiry date	2029-08-24		
Additional/Divisional application number		Additional/Divisional relationship			

Applicant details

Applicant	University, K. R. Mangalam	Applicant address	122103 India
Old name(s)			

IPC details

Int Cl.	Version	First Mark
G06Q	50/08 (2021.01)	Y

Priority details
Associated provisional(s)

SPECIFICATION/E-REGISTER

EDOSSIER

LIFECYCLE DETAILS

FEE/PUBLICATION HISTORY

Continuation/Renewal fee history

Date paid	Paid to date	2023-08-24	Next fee due	2	Fee Table
Law agency address					

Publication history

Vol/Iss	Publication date	Publication action	Reason	Document kind
35/48	2021-12-02	Innovation Patents OPI		AU-A4
35/48	2021-12-02	Patent Granted - Innovation Patents		
35/46	2021-11-18	Innovation Application Filed		


OWNERSHIP DETAILS

OPPOSITIONS, DISPUTES & AMENDMENTS

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This data is current as of 2022-05-23 18:00 AEST.


Registrar
K.R. Mangalam University
Sohna Road. Gurugram (Haryana)



Application Details

2021107051
: A METHOD TO ANALYZE IMPACT OF MANAGEMENT PRACTICES ON THE PRODUCTIVITY OF BUILDING CONSTRUCTION PROJECTS

BIBLIOGRAPHIC DATA

Application details

Australian application number	2021107051	Patent application type	Innovation		
Application status	GRANTED	Paid to date	2023-08-24	First IPC Mark	G06Q 10/06 (2021.01)
Currently under opposition	No	Proceeding type(s)			
Invention title	A METHOD TO ANALYZE IMPACT OF MANAGEMENT PRACTICES ON THE PRODUCTIVITY OF BUILDING CONSTRUCTION PROJECTS				
Inventor(s)	Dixit, Saurav				
Agent name	Dixit, Prof (Dr) Saurav	Address for legal service	WA 6017 Australia show full address		
Filing date	2021-08-24	Australian OPI date	2021-12-09	OPI published in journal	
Effective date of patent	2021-08-24	Expiry date	2029-08-24		
Additional/Divisional application number		Additional/Divisional relationship			

Applicant details

Applicant Old name(s)	University, K. R. Mangalam	Applicant address	122103 India
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IPC details
Priority details
Associated provisional(s)

SPECIFICATION/E-REGISTER
EDOSSIER
LIFECYCLE DETAILS
FEE/PUBLICATION HISTORY
OWNERSHIP DETAILS
OPPOSITIONS, DISPUTES & AMENDMENTS

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This data is current as of 2022-05-23 18:00 AEST.

Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2021 105 406

Bezeichnung:

Intelligentes Überwachungsgerät für den Transport von lebenden Fischen auf
der Grundlage eines Internet der Dinge-Sensors

IPC:

A01K 63/00

Inhaber/Inhaberin:

Akila, Duraisamy, Dr., Chennai, Tamil Nadu, INA
Lakhani, Bhavesh, Dr., Ahmedabad, Gujarat, IN
Bathla, Rajender Kumar, Prof. Dr., Mandi
Gobindgarh, Punjab, IN
Dadheech, Pankaj, Dr., Jaipur, Rajasthan, IN
Dahiya, Vineet, Dr., Sohna, Haryana, IN
Gupta, Manish, Dr., Moradabad, IN

Jangra, Ajay, Dr., Pehowa, Haryana, IN
Jolly, Ashish, Dr., Ambala Cantt, Haryana, IN
Kumar, Surender, Dr., Anandpur Sahib, Punjab, IN
Sheeja, S. Angelin, Dr., Tamil Nadu, IN
Sinha, Divyanshu, New Delhi, IN
Srivastava, Jay Prakash, Dr., Hasanparthy, IN
Yadav, Deepika, Dr., Sonipat, Haryana, IN

Tag der Anmeldung:

06.10.2021

Tag der Eintragung:

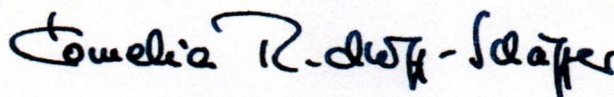
29.10.2021



Registrar

K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer

München, 29.10.2021



Certificate

on the registration of
utility model No. 20 2021 105 406

Designation:
monitoring device for live fish transportation
based on Internet of Things sensor

IPC:
A01K 63/00

Owner:

isamy, Dr., Chennai, Tamil Nadu, IN	Jangra, Ajay Dr., Pehowa, Haryana, IN
haves, Dr., Ahmedabad, Gujarat, IN	Jolly, Ashish, Dr., Ambala Cantt, Haryana, IN
ender Kumar, Prof. Dr., Mandi	Kumar, Surender, Dr., Anandpur Sahib, Punjab, IN
h, Punjab, IN	Shreeja, S. Angelin, Dr., Tamil Nadu, IN
Pankaj, Dr., Jaipur, Rajasthan, IN	Sinha, Divyanshu, New Delhi, IN
neet Dr., Sonha, Haryana, IN	Srivastava, Jay Prakash, Dr., Hasanparthy, IN
nish, Dr., Moradabad, IN	Yadav, Deepika, Dr., Sonapat, Haryana, IN

Day of registration:

October 6th, 2021

Date of entry: October

29, 2021

The President of the German Patent and Trademark Office

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

Munich, October 29, 2021



The requirements for protectability are not checked when registering a utility model. The current legal status and scope of protection can be found in the DPMA register at www.dpma.de

[Signature]

Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)



Australian Government

IP Australia

CERTIFICATE OF GRANT INNOVATION PATENT

Patent number: 2021106406

The Commissioner of Patents has granted the above patent on 24 November 2021, and certifies that the below particulars have been registered in the Register of Patents.

Name and address of patentee(s):

Pankaj Gupta of School of Medical & Allied Sciences, K. R. Mangalam University, Sohna Road Gurugram Haryana India

A. R. Vijayakumar of Department of Pharmacology, Faculty of Pharmacy, Sree Balaji Medical College and Hospital, BIHER, Chromepet Chennai Tamil Nadu India

Ujjalkumar Das of Ocular Pharmacology & Pharmacy Division, Dr. Rajendra Prasad Centre for Ophthalmic Sciences, All India Institute of Medical Sciences New Delhi Delhi India

Laxmi Moksha of Ocular Pharmacology & Pharmacy Division, Dr. Rajendra Prasad Centre for Ophthalmic Sciences, All India Institute of Medical Sciences New Delhi Delhi India

Ajay Pal Singh of Department of Pharmacy, Integrated Academy of Management & Technology Ghaziabad Uttar Pradesh India

Ashutosh Aggarwal of Department of Pharmacology, Seth G L Bihani S D College of Tech Education Sriganganagar Rajasthan India

Title of invention:

A formulation of medicaments using Lantana Camara for treatment of Skin related diseases and methods thereof

Name of inventor(s):

Gupta, Pankaj; Vijayakumar, A. R.; Das, Ujjalkumar; Moksha, Laxmi; Singh, Ajay Pal and Aggarwal, Ashutosh

Term of Patent:

Eight years from 22 August 2021

NOTE: This Innovation Patent cannot be enforced unless and until it has been examined by the Commissioner of Patents and a Certificate of Examination has been issued. See sections 120(1A) and 129A of the Patents Act 1990, set out on the reverse of this document.

Registrar
K.R. Mangalam University
Sohna Road. Gurugram (Haryana)



Dated this 24th day of November 2021

Commissioner of Patents

PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.

Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128 **Application for relief from unjustified threats**

- (1) Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:
- (a) a declaration that the threats are unjustifiable; and
 - (b) an injunction against the continuance of the threats; and
 - (c) the recovery of any damages sustained by the applicant as a result of the threats.
- (2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

Sec 129A **Threats related to an innovation patent application or innovation patent and courts power to grant relief.**

Certain threats of infringement proceedings are always unjustifiable.

- (1) If:
- (a) a person:
 - (i) has applied for an innovation patent, but the application has not been determined; or
 - (ii) has an innovation patent that has not been certified; and
 - (b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be; then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

Courts power to grant relief in respect of threats made by the applicant for an innovation patent or the patentee of an uncertified innovation patent

- (2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the application the relief applied for.

Courts power to grant relief in respect of threats made by the patentee of certified innovation patent

- (3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

Schedule 1 **Dictionary**

certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent



Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

— Bundesrepublik Deutschland —

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 100 491

Bezeichnung:

Eine hybride Betonzusammensetzung

IPC:

C04B 28/00

Inhaber/Inhaberin:

Kumar, Kaushal, Dr., Gurugram, Haryana, IN

Tag der Anmeldung:

28.01.2022

Tag der Eintragung:

03.02.2022

Die Präsidentin des Deutschen Patent- und Markenamts

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

München, 03.02.2022



Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.

1/1

[Signature]
Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Translation

Federal Republic of Germany

Certificate

on the registration
of utility model No. 20 2022 100 491

Designation:
A hybrid concrete composition

IPC:
C04B 28/00

Owner:
Kumar, Kaushal, Dr., Gurugram, Haryana, IN

Day of registration:
28.01.2022

Date of entry: February
3, 2022

The President of the German Patent and Trademark Office

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer



Munich, February 3rd, 2022

D Prerequisites for protection are not checked when registering a non-Cappelli model. Please refer to the DPMAregister for the current legal status and scope of protection. © 2022 DPMA

[Signature]
Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 100 604

Bezeichnung:

Intelligentes System zur automatischen Klassifizierung medizinischer Bilder
mittels Bildverarbeitung und künstlicher Intelligenz

IPC:

G06V 20/60

Inhaber/Inhaberin:

Agarwal, Pankaj, Dr., Vidisha, MP, IN
Ahmad, Sayed Sayeed, Dr., Sharjah, AE
Ahuja, Vandana, Patiala, Punjab, IN
Anand, Rohit, Panipat, Haryana, IN
Chakravarthi, Dhruva Sreenivasa, Vijayawada, AP, IN
Dhakad, Shrikrishna, Dr., Shivpuri, Madhya Pradesh, IN
Jain, Pallavi, Dr., Noida, UP, IN
Jain, Rituraj, Jodhpur, Rajasthan, IN
Jain, Vipin, Moradabad, UP, IN
Mir, Bilal Ahmed, Dildar Karnah, Jammu and Kashmir, IN
Periyasamy, Muthusamy, Dr., Namakkal, Tamil Nadu, IN
Singh, Harinder, Sangrur, Punjab, IN
Srivastava, Jay Prakash, Dr., Bokaro, Jharkhand, IN

Tag der Anmeldung:

02.02.2022

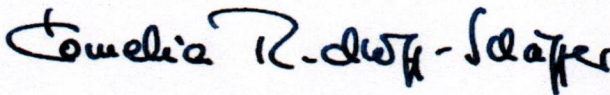
Tag der Eintragung:

16.02.2022


Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer

München, 16.02.2022



Federal Republic of Germany

Translation

Certificate

on the registration of
utility model No. 20 2022 100 604

Designation:
intelligent system for automatic classification of medical images
using image processing and artificial intelligence

IPC:
G06V 20/60

Owner:

Agarwal, Pankaj, Dr., Vidisha, MP, IN
Ahmad, Sayed Sayeed, Dr., Sharjah, AE
Ahuja, Vandana, Patiala, Punjab, IN
Anand, Rohit, Panipat, Haryana, IN
Chakravarthi, Dhruva Sreenivasa, Vijayawada, AP, IN
Dhakad, Shrikrishna, Dr., Shivpuri, Madhya Pradesh, IN
Jain, Pallavi, Dr., Noida, UP, IN
Jain, Rituraj, Indhrur, Rajasthan, IN
Jain, Vipin, Moradabad, UP, IN
Mir, Bilal Ahmed, Dildar Karnah, Jammu and Kashmir, INa
Periyasamy, Muthusamy, Dr., Namakkal, Tamil Nadu, IN
Singh, Harinder, Sangrur, Punjab, IN
Srivastava, Jay Prakash, Dr., Bokaro, Jharkhand, IN

Day of registration:

02.02.2022

Date of entry: February
16, 2022

The President of the German Patent and Trademark Office

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

Munich, February 16, 2022



The requirements for protectability are not checked when registering a utility model. The current legal status and scope of protection can be found in the DPMA register at www.dpma.de.

[Signature]
Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

REPUBLIC OF SOUTH AFRICA

REGISTER OF PATENTS

PATENTS ACT, 1978

Official application No.		Lodging date: Provisional		Acceptance date	
21	01	2021/10209		22	
International classification		Lodging date: Complete		Granted date	
51	F24F	23	2021/12/09		2022/02/23
71 Full name(s) of applicant(s)/Patentee(s):					
LADE, Rohit Ashok Department of Chemical Engineering, Parul University, Vadodara, Gujarat, 391760, India MOHANASUNDARAM, Ramkumar Department of Computer Science & Engineering, HKBK College of Engineering, No.22/1, Opposite, Manyata Tech Park Rd, Vyalikaval Society, Vyalikaval HBCS Layout, Nagavara, Bengaluru, Karnataka, 560045, India DADHEECH, Pankaj Department of Computer Science & Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jagatpura, Jaipur, Rajasthan, 302017, India SHETTY, Niyat Management Department, Sasmira's Business School, Mumbai, Maharashtra, 400030, India URKUDE, Ashish Manohar IJORD Group, Nagpur, Maharashtra, 440012, India HAQUE, Mahmudul Department of Botany & Forestry, Vidyasagar University, Vidyasagar University Rd, Rangamati, Midnapore, West Bengal, 721102, India PALLIVALAPPIL, Abdul Shareef College of Computer Science and Information Science, Srinivas University, Srinivas Nagar, Mukka, Surathkal, Mangalore, 574146, India DAHIYA, Vineet Department of Electrical and Electronics Engineering, School of Engineering and Technology, K R Mangalam University, Sohna Rd, Sohna Rural, Haryana, 122103, India ROUT, Sandeep Faculty of Agriculture, Sri Sri University, Cuttack, Odisha, 754006, India BHANU, Battu Balaji Department of Electronics, Andhra Loyola College, Vijayawada, Andhra Pradesh, 520008, India PATIL, Vijay Narendranath College of Engineering, HSBVPT's Group of Institutions, Group of Institutions, Kashti, Tal- Shrigonda, Dist-Ahamadnagar, Maharashtra, 414701, India SUBRAMANIAN, Muthukumar Sri Siddhartha Academy of Higher Education, Tumkuru, Karnataka, 572107, India					
71 Applicant substituted:				Date registered	
71 Assignee(s):				Date registered	
72 Full name(s) of inventor(s):					
LADE, Rohit Ashok MOHANASUNDARAM, Ramkumar DADHEECH, Pankaj SHETTY, Niyat URKUDE, Ashish Manohar HAQUE, Mahmudul PALLIVALAPPIL, Abdul Shareef DAHIYA, Vineet ROUT, Sandeep BHANU, Battu Balaji PATIL, Vijay Narendranath SUBRAMANIAN, Muthukumar					
Priority claimed:		Country	Number	Date	
54 Title of invention					
SMART MONITORING AND CONTROL OF AN INDOOR VEGETATION ENVIRONMENT SYSTEM USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING APPROACH					
This document has been generated by CIPC on this 28th day of September 2022					
Address of applicant(s)/patentee(s):					
Department of Chemical Engineering, Parul University, Vadodara, Gujarat, 391760 INDIA					


 Registrar

 K.R. Mangalam University
 Sohna Road, Gurugram (Haryana)

Department of Computer Science & Engineering, HKBK College of Engineering, No.22/1, Opposite, Manyata Tech Park Rd, Vyalikaval Society, Vyalikaval HBCS Layout, Nagavara, Bengaluru, Karnataka, 560045

INDIA

Department of Computer Science & Engineering, Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT), Jagatpura, Jaipur, Rajasthan, 302017

INDIA

Management Department, Sasmira's Business School, Mumbai, Maharashtra, 400030

INDIA

IJORD Group, Nagpur, Maharashtra, 440012

INDIA

Department of Botany & Forestry, Vidyasagar University, Vidyasagar University Rd, Rangamati, Midnapore, West Bengal, 721102

INDIA

College of Computer Science and Information Science, Srinivas University, Srinivas Nagar, Mukka, Surathkal, Mangalore, 574146

INDIA

Department of Electrical and Electronics Engineering, School of Engineering and Technology, K R Mangalam University, Sohna Rd, Sohna Rural, Haryana, 122103

INDIA

Faculty of Agriculture, Sri Sri University, Cuttack, Odisha, 754006

INDIA

Department of Electronics, Andhra Loyola College, Vijayawada, Andhra Pradesh, 520008

INDIA

College of Engineering, HSBVPT's Group of Institutions, Group of Institutions, Kashti, Tal- Shrigonda, Dist-Ahamadnagar, Maharashtra, 414701

INDIA

Sri Siddhartha Academy of Higher Education, Tumkuru, Karnataka, 572107

INDIA

74 Address for service

WOLMARANS AND SUSAN INCORPORATED

337 Surrey Avenue, Randburg, 2194

SOUTH AFRICA

Reference No.

61 Patent of addition No.

Date of any change

Fresh application based on.

Date of any change



Registrar

K.R. Mangalam University

Sohna Road. Gurugram (Haryana)

RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount
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HISTORY SHEET

Date entry made	Description
2021-12-10	Request for the acceptance of a Patent electronically filed on 9/12/2021, numbered 2021/10209
2021-12-10	Proof reading performed automatically
2022-02-02	Application accepted on 2/2/2022.
2022-02-24	Patent advertised on 23-02-2022.
2022-02-24	Patent granted on 23-02-2022.



Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

REPUBLIC OF SOUTH AFRICA



REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:


**DR. NAMITA MISHRA; DR. ANITA SHARMA; DR. RASHMI SINGEL;
DR. AJAY PRATAP SINGH;
DR. SAYYAD MAHEJABIN DILDAR; DR. MOHAMMED ABDUL RAFFEY;
DR. INDRAJEET RAMDAS BHAGAT; DR. SANJAY BHASKAR KALAMKAR;
DR. DEBJANI BANERJEE; DR. PRADIP KUMAR MITRA; DR. SACHIN DESHMUKH;
PROF. RAMESH CHANDRA PANDA**


Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2021/08888

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the **30th day of March 2022**


.....
Registrar of Patents


Registrar
K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 102 589

Bezeichnung:

Ein intelligentes Unterstützungssystem (AapdaSetu) zur Verbesserung der
Qualität des Dienstes für intelligente Entscheidungen und zur Lösung von
Problemen

IPC:

G06F 40/35

Inhaber/Inhaberin:


Bansal, Shweta, Dr., Gurugram, IN
Khatkar, Monika, Gurugram, IN
Kumar, Kaushal, Dr., Gurugram, IN
Raghav, Yogita Yashveer, Gurugram, IN
Sinha, Shweta, Dr., Gurugram, IN

Tag der Anmeldung:

12.05.2022

Tag der Eintragung:

26.07.2022

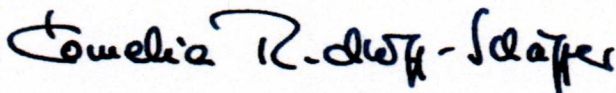


Registrar

K.R. Mangalam University

Sohna Road, Gurugram (Haryana)

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer

München, 26.07.2022



Certificate

on the registration
of utility model No. 20 2022 102 589

Designation:

Intelligent support system (AapdaSetu) to improve the
quality of service for intelligent decisions and solving
Issues

IPC:

G06F 40/35

Owner:

Bansal, Shweta, Dr., Gurugram, IN
Khatkar, Monika, Gurugram, IN
Kumar, Kaushal, Dr., Gurugram, IN
Raghav, Yogita Yashveer, Gurugram, IN
Sinha, Shweta, Dr., Gurugram, IN

Day of registration: :
May 12, 2022

Date of entry: July
26, 2022

The President of the German Patent and Trademark Office

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

Munich, July 26, 2022-



The requirements for protectability are not checked when registering a utility model. The current legal status and scope of protection can be found in the www.dpma.de PMAregister at www.dpma.de

[Signature]
Registrar

K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

Urkunde

über die Eintragung des Gebrauchsmusters Nr. 20 2022 104 468

Bezeichnung:

Ein neuartiges IoT-basiertes nachhaltiges System zur Behandlung von
medizinischen Abfällen

IPC:

B09B 3/40

Inhaber/Inhaberin:

Barwa, Manjeet Singh, Dr., Delhi, IN
Barwa, Shubhra, Dr., Delhi, IN
Gaikwad, Arun Hari, Dr., Ghulewadi, Maharashtra, IN
Kumawat, Bhawesh, Dr., Udaipur, Rajasthan, IN
Mohan, Chandra, Dr., Gurugram, Haryana, IN
Negi, Vipul, Dehradun, Uttarakhand, IN
Panda, Ramesh Chandra, Prof., Bhubaneswar, Odisha, IN
Ravindran, Sharanya, Dr., Chennai, Tamil Nadu, IN
Saini, Garima, Delhi, IN
Saini, Rita, Dehradun, Uttarakhand, IN
Singh, Reena, Dr., Gurugram, Haryana, IN
Trivedi, Rohit Kumar, Dehradun, Uttarakhand, IN
Veerapandian, Akila, Dr., Chennai, Tamil Nadu, IN

Tag der Anmeldung:

05.08.2022

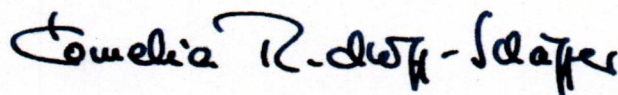
Tag der Eintragung:

19.08.2022


Registrar

K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer

München, 19.08.2022



Certificate

on the registration of
utility model No. 20 2022 104 468

Designation:

A novel IoT-based sustainable system for the treatment of
medical waste

IPC:

B09B 3/40

Owner:

Barwa, Manjeet Singh, Dr., Delhi, IN
Barwa, Shubhra, Dr., Delhi, IN
Galkwad, Arun Hari, Dr., Ghulewadi, Maharashtra, IN
Kumawat, Bhawesh, Dr., Udaipur, Rajasthan, IN
Mohan, Chandra, Dr., Gurugram, Haryana, IN
Negi, Vipul, Dehradun, Uttarakhand, IN
Panda, Ramachandra, Dr., Bhubaneswar, Odisha, IN
Ravindran, Sharanya, Dr., Chennai, Tamil Nadu, IN
Saini, Garima, Delhi, IN
Saini, Rita, Dehradun, Uttarakhand, IN
Singh, Reena, Dr., Gurugram, Haryana, IN
Trivedi, Rohit Kumar, Dehradun, Uttarakhand, IN
Veerapandian, Akila, Dr., Chennai, Tamil Nadu, IN

Day of registration:

August 5th, 2022

Date of entry: August

19, 2022

The President of the German Patent and Trademark Office

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

Munich, August 19, 2022



The requirements for protectability are not checked when registering
the smoke pattern. The
current legal status and scope of protection can be found in the OpMAregister at www.dpma.de.

[Signature]

Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 104 822

Bezeichnung:

Ein System zur Stickstofffixierung von Pflanzen unter Feuchtigkeitsstress durch
Blattapplikation von KNO₃

IPC:

A01C 1/00

Inhaber/Inhaberin:

Barwa, Manjeet Singh, Dr., New Delhi, IN
Mohan, Chandra, Dr., Gurugram, Haryana, IN
Singh, Amita, Dr., Gurugram, Haryana, IN
Singh, Harjodh, Dr., Chandigarh, IN
Singh, Reena, Dr., Gurugram, Haryana, IN
Singh, Shailja, Dr., Delhi, IN

Tag der Anmeldung:

26.08.2022

Tag der Eintragung:

26.09.2022

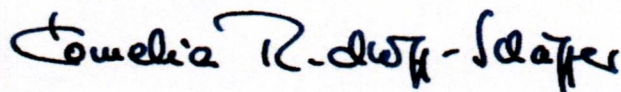


Registrar

K.R. Mangalam University

Sohna Road. Gurugram (Haryana)

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer

München, 26.09.2022



Federal Republic of Germany

translation

Certificate

on the registration
of utility model No. 20 2022 104 822

Designation:

em for nitrogen fixation von in plants under moisture stress thro
foliar application of KNO₃

IPC:

A01C 1/00

Owner:

Color, Manieet Singh, Dr., New Delhi, IN
Mohan, Chandra, Dr., Gurugram, Haryana, IN
Singh, Amita, Dr., Gurugram, Haryana, IN
Singh, Harjodh, Dr., Chandigarh, IN
Singh, Reena, Dr., Gurugram, Haryana, IN
Singh, Shailja Dr., Delhi, IN

Day of registration:

August 26, 2022

Date of entry: September

26, 2022

The President of the German Patent and Trademark Office

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer

Munich, September 26, 2022



The requirements for protectability are not checked when registering a utility model. The current legal status and scope of protection can be found in the DPMA register at www.dpma.de.

[Signature]

Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)



REPUBLIC OF SOUTH AFRICA

REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

in accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

**. PANKAJ DADHEECH; DR. CHANDRA MOHAN; DR. ANOOP YADAV; DR. SMRITI
NDON; DR. ROMICA BHAT; HARMEET KAUR KOCHHAR; DR. K RAMAKRISHNA;
DR. SUMAN KUMARI; DR. POONAM SINGHAL; DR. TENZIN WANGPO; PROF.
HITAL GUJARATHI; DR. PREETI KULKARNI; DR. M. G. SUMITHRA; DR. PAWAN
KUMAR ROSE; PROF. RAMESH CHANDRA PANDA**

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2022/07879

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony whereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 28th day of September 2022



Registrar

K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

Registrar of Patents

Urkunde

über die Eintragung des Gebrauchsmusters Nr. 20 2022 105 965

Bezeichnung:

Ein modifiziertes, auf einem numerischen Strömungsmodell basierendes System zur Untersuchung der Ausbreitung von Luftschadstoffen im Mikrobereich

IPC:

G06F 30/28

Inhaber/Inhaberin:

Boadh, Rahul, Dr., Meerut, Uttar Pradesh, IN
Chauhan, Sakshi, Ghaziabad, Uttar Pradesh, IN
Jha, Abhimanyu Kumar, Dr., Ghaziabad, Uttar Pradesh, IN
Kumari, Sarla, Dr., Ajmer, Rajasthan, IN
Malini, Palani Singaram Geetha, Dr., Chennai, Tamil Nadu, IN
Mathur, Runjhun, Ghaziabad, Uttar Pradesh, IN
Mohan, Chandra, Dr., Gurugram, Haryana, IN
Robinson, Jenifer, Muscat, OM
Singh, Reena, Dr., Gurugram, Haryana, IN
Swarnkar, Pawan Kumar, Kota, Rajasthan, IN
Vodwal, Lata, Dr., Rohini, Delhi, IN
Yadav, Komal, Dr., Gurugram, Haryana, IN

Tag der Anmeldeung:

21.10.2022

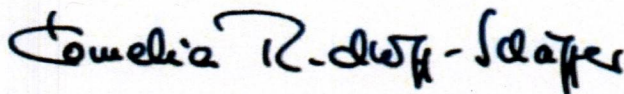
Tag der Eintragung:

15.11.2022


Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer
München, 15.11.2022



Certificate

on the registration
of utility model No. 20 2022 105 965

Designation:
d system based on a numerical flow model to investigate
the spread of air pollutants on a
microscale

IPC:
G06F 30/28

Owner:
Bodh, Rahul, Dr., Meerut, Uttar Pradesh, IN
Chauhan, Sakshi, Ghaziabad, Uttar Pradesh, IN
Jha, Abhimanyu Kumar, Dr., Ghaziabad, Uttar Pradesh, IN
Kumari Sarla Dr Aimer Rajasthan IN
Malini, Palani Singaram Geetha, Dr., Chennai, Tamil Nadu, IN
Mathur, Runjhun, Ghaziabad, Uttar Pradesh, IN
Mohan, Chandra, Dr., Gurugram, Haryana, IN
Robinson, Jenifer, Muscat, OM
Singh, Reena, Dr., Gurugram, Haryana, IN
Swarnkar, Pawan Kumar, Kota, Rajasthan, IN
Vodwal, Lata, Dr., Rohini, Delhi, IN
Yadav, Komal, Dr., Gurugram, Haryana, IN

Registration date: October
21, 2022

Date of entry: November
15, 2022

The President of the German Patent and Trademark Office

Cornelia Rudolf-Schäffer

Cornelia Rudolf-Schäffer
München, 15.11.2022



The requirements for protectability are not checked when registering a utility model. Please refer to the DPMA register at www.dpma.de for the current legal status and scope of protection.

[Signature]

Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 105 576

Bezeichnung:

Ein System zur Unterscheidung von Ausbreitungsmustern von
Luftschadstoffen mit Hilfe einer Hybridtechnik

IPC:

G06F 30/20

Inhaber/Inhaberin:

Boadh, Rahul, Dr.,
Meerut, Uttar Pradesh, IN
Kaur, Kuljinder, Dr., Sonipat, Haryana, IN
Kumar, Kapil, Delhi, IN
Kumar, Parveen, Sonipat, Haryana, IN
Kumar, Satish, Meerut, Uttar Pradesh, IN
Kumar, Satish, Dr.,
Hapur, Uttar Pradesh, IN
Kumar, Umesh, Dr.,

Meerut, Uttar Pradesh, IN
Kumari, Komal, Delhi, IN
Meena, Bhandari, Dr.,
Gurugram, Haryana, IN
Prasad, Jai Shankar, Muzaffarpur, Bihar, IN
Sharma, Arun, Sonipat, Haryana, IN
Singh, Jitendra, Jalaun, Uttar Pradesh, IN
Yadav, Anil, Dr., Sonipat, Haryana, IN

Tag der Anmeldung:

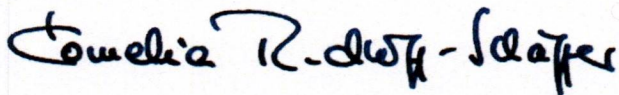
01.10.2022

Tag der Eintragung:

17.11.2022


Registrar
K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer

München, 17.11.2022



Federal Republic of Germany

Translation

Certificate

on the registration of
utility model No. 20 2022 105 576

Designation:

A system for distinguishing dispersal patterns of
air pollutants using a hybrid technique

IPC:

G06F 30/20

Owner:

Boadh, Rahul, Dr.,
Meerut, Uttar Pradesh, IN
Dr. Kuljinder, Dr., Sonipat, Haryana, IN
Kumar, Kapil, Delhi, IN
Kumar, Parveen, Sonipat, Haryana, IN
Kumar, Satish, Meerut, Uttar Pradesh, IN
Kumar, Satish, Dr.,
Hapur, Uttar Pradesh, IN
Kumar, Umesh, Dr.,

Meerut, Uttar Pradesh, IN
Kumari, Komal, Delhi, IN
Meena, Bhandari, Dr.,
Gurugram, Haryana, IN
Prasad, Jai Shankar, Muzaffarpur, B
Sharma, Arun, Sonipat, Haryana
Singh, Jitendra, Jalaun, Uttar Pradesh
Yadav, Anil, Dr., Sonipat, Haryana

Day of registration:

October 1st, 2022

Date of entry: November

17, 2022

The President of the German Patent and Trademark Office

Comelia R-two-Slapper

Cornelia Rudloff-Schäffer

Munich, November 17, 2022



The requirements for protectability are not checked when registering a utility model. The current legal status and scope of protection can be found in the DPMA register at www.dpma.de

Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2022 106 098

Bezeichnung:

System zum Nachweis von durch Lebensmittel übertragenen
Krankheitserregern (Salmonellen)

IPC:

G01N 33/02

Inhaber/Inhaberin:

Boadh, Rahul, Dr., Meerut, Uttar Pradesh, IN
Chaudhary, Reeti, Dr., Sonipat, Haryana, IN
Dehiya, Brijnandan Singh, Dr., Sonipat, Haryana, IN
Gautam, Archana, New Delhi, IN
Kaur, Anupreet, Dr., Mohali, Punjab, IN
Kaur, Kuljinder, Dr., Sonipat, Haryana, IN
Kumar, Umesh, Dr., Meerut, Uttar Pradesh, IN
Prasad, Jai Shankar, Muzaffarpur, Bihar, IN
Sharma, Meenakshi, West Delhi, Delhi, IN
Singh, Jatinder, Dr., Sangrur, Punjab, IN
Singh, Surinder, Dr., Jalandhar, Punjab, IN
Singh, Triratan, Meerut, Uttar Pradesh, IN
Yadav, Anil, Dr., Sonipat, Haryana, IN

Tag der Anmeldung:

29.10.2022

Tag der Eintragung:

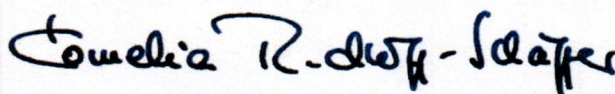
29.11.2022



Registrar

K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

Die Präsidentin des Deutschen Patent- und Markenamts



Cornelia Rudloff-Schäffer
München, 29.11.2022



Certificate

on the registration of
utility model No. 20 2022 106 098

Designation:
System for detecting food-borne
pathogens (Salmonella)

IPC:
G01N 33/02

Owner:
Rashid, Rahul, Dr., Meerut, Uttar Pradesh, IN
Chaudhary, Reeti, Dr., Sonapat, Haryana, IN
Dehiya, Brijnandan Singh, Dr., Sonapat, Haryana, IN
Gautam, Archana, New Delhi, IN
Kaur, Anupreet, Dr., Mohali, Punjab, IN
Kaur, Kuljinder, Dr., Sonapat, Haryana, IN
Kumar, Umesh, Dr., Meerut, Uttar Pradesh, IN
Prasad, Jai Shankar, Muzaffarpur, Bihar, IN
Sharma, Manojkeshi, West Delhi, Delhi, IN
Singh, Jatinder, Dr., Sangrur, Punjab, IN
Singh, Suninder, Dr., Jalandhar, Punjab, IN
Singh, Triratan, Meerut, Uttar Pradesh, IN
Yadav, Anil, Dr., Sonapat, Haryana, IN

Day of registration:
29.10.2022
Date of entry:
29.11.2022

The President of the German Patent and Trademark Office

Cornelia Rudloff-Schäffer

Cornelia Rudloff-Schäffer
Munich, November 29, 2022



The requirements for protectability are not checked when registering a utility model. The current legal status and scope of protection can be found in the DPMA register at www.dpma.de.

[Signature]

Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

PATENT REGISTER SHEET

REPUBLIC OF SOUTH AFRICA		REGISTER OF PATENTS		PATENTS ACT, 1978	
Official application No.		Lodging date: Provisional		Acceptance date	
21	01 2022/09665	22		47	2022/10/04
International classification		Lodging date: Complete		Granted date	
51	A61B	23	2022/08/30		2022/11/30
71 Full name(s) of applicant(s)/Patentee(s):					
Dr. Rahul Boadh Assistant Professor, Department of Mathematics, K. R. Mangalam University, Sohna Road, Gurugram, Haryana, 122103, India Dr. Kuljinder Kaur Lab Incharge, National Institute of Food Technology Entrepreneurship and Management, Kundli, Sonipat, Haryana, 131028, India Dr. Surinder Singh Assistant Professor, Dr. S. S. Bhatnagar University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh, 160014, India Archana Gautam Senior Analyst, Centre for food research and analysis, National Institute of Food Technology Entrepreneurship and Management, Kundli, Sonipat, Haryana, 131028, India Dr. Kulwinder Singh Parmar Assistant Professor, Mathematical Sciences, I K Gujral Punjab Technical University, Punjab, India Dr. Anil Yadav Associate Professor, Chemical Engineering, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana, 131027, India Dr. Jatinder Singh Assistant Professor, Department of Chemistry, Guru Nanak College Budhlada, Affiliated to Punjabi University Patiala, District Mansa, Punjab, 151502, India Dr. Dhruva Kumar Assistant Professor, Department of Chemistry, Guru Nanak College Budhlada, Affiliated to Punjabi University Patiala, District Mansa, Punjab, 151502, India Dr. Mamta Bhagat Assistant Professor, Chemical Engineering, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana, 131027, India VINAY ARORA Assistant Professor, Department of Applied Sciences, UIET, Panjab University SSG Regional Centre, Hoshiarpur, Affiliation: Panjab University, Chandigarh, Punjab, 146023, India Dr. Satish Kumar Assistant Professor, Department of Applied Sciences, UIET, Panjab University SSG Regional Centre, Hoshiarpur, Affiliated to Panjab University Chandigarh, Punjab, India					
71 Applicant substituted:				Date registered	
71 Assignee(s):				Date registered	
72 Full name(s) of inventor(s):					
Dr. Rahul Boadh Dr. Kuljinder Kaur Dr. Surinder Singh Archana Gautam Dr. Kulwinder Singh Parmar Dr. Anil Yadav Dr. Jatinder Singh Dr. Dhruva Kumar Dr. Mamta Bhagat VINAY ARORA Dr. Satish Kumar					
Priority claimed:		Country	Number	Date	
54 Title of invention					
A SYSTEM FOR MONITORING REALTIME HEALTH CONDITION OF A PATIENT AND A METHOD THEREOF					
Address of applicant(s)/patentee(s):					
Assistant Professor, Department of Mathematics, K. R. Mangalam University, Sohna Road, Gurugram, Haryana, 122103 INDIA Lab Incharge, National Institute of Food Technology Entrepreneurship and Management, Kundli, Sonipat, Haryana, 131028 INDIA Assistant Professor, Dr. S. S. Bhatnagar University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh, 160014 INDIA					


Registrar
K.R. Mangalam University
 Sohna Road, Gurugram (Haryana)

Senior Analyst, Centre for food research and analysis, National Institute of Food Technology Entrepreneurship and Management, Kundli, Sonipat, Haryana, 131028
INDIA

Assistant Professor, Mathematical Sciences, I K Gujral Punjab Technical University, Punjab
INDIA

Associate Professor, Chemical Engineering, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana, 131027
INDIA

Assistant Professor, Department of Chemistry, Guru Nanak College Budhlada, Affiliated to Punjabi University Patiala, District Mansa, Punjab, 151502
INDIA

Assistant Professor, Department of Chemistry, Guru Nanak College Budhlada, Affiliated to Punjabi University Patiala, District Mansa, Punjab, 151502
INDIA

Assistant Professor, Chemical Engineering, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonipat, Haryana, 131027
INDIA

Assistant Professor, Department of Applied Sciences, UIET, Panjab University SSG Regional Centre, Hoshiarpur, Affiliation: Panjab University, Chandigarh, Punjab, 146023
INDIA

Assistant Professor, Department of Applied Sciences, UIET, Panjab University SSG Regional Centre, Hoshiarpur, Affiliated to Panjab University Chandigarh, Punjab
INDIA

74 Address for service

Wolmarans and Susan Inc.
337 Surrey Avenue, Randburg, 2194
SOUTH AFRICA
Reference No.

61 Patent of addition No.

Date of any change

Fresh application based on.

Date of any change


Registrar
K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount
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HISTORY SHEET

Date entry made	Description
2022-08-31	Request for the acceptance of a Patent electronically filed on 30/8/2022, numbered 2022/09665
2022-08-31	Proof reading performed automatically
2022-10-04	Application accepted on 4/10/2022.
2022-12-01	Patent advertised on 30-11-2022.
2022-12-01	Patent granted on 30-11-2022.



Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

PATENT REGISTER SHEET

REPUBLIC OF SOUTH AFRICA		REGISTER OF PATENTS		PATENTS ACT, 1978	
Official application No.		Lodging date: Provisional		Acceptance date	
21	01 2022/11443	22		47	2022/11/24
International classification		Lodging date: Complete		Granted date	
51	G01N	23	2022/10/19		2022/12/21
71 Full name(s) of applicant(s)/Patentee(s):					
<p>Dr. Rahul Boadh Assistant Professor, Department of Mathematics, K. R. Mangalam University, Sohna Road, Gurugram, Haryana, 122103, India</p> <p>Dr. Surinder Singh Assistant Professor, Dr. S. S. Bhatnagar University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh, 160014, India</p> <p>Dr. Renu Devi (Head of the Department) Associate Professor, Department of Geography, Digamber Jain College, Baraut (Baghpat), Ch. Charan Singh University Meerut, Uttar Pradesh, India</p> <p>Dr. Anil Yadav Associate Professor, Chemical Engineering, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat, Haryana, 131027, India</p> <p>Dr. Satish Kumar Assistant Professor, Department of Applied Sciences, UIET, Panjab University SSG Regional Centre, Hoshiarpur (Affiliated to Panjab University, Chandigarh), Punjab, India</p> <p>Dr. Soniya Research Scholar, Applied Mathematics and Scientific Computing Department, Saharanpur Campus, I.I.T. Roorkee, Uttar Pradesh, India</p> <p>Dr. SUKHVINDER SINGH BAMBER ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, PANJAB UNIVERSITY SSG REGIONAL CENTRE, HOSHIARPUR, India</p> <p>Dr. Neelam Sharma Extension Lecturer, Department of Mathematics, Government college Hodal, Hodal, Haryana, India</p> <p>VINAY ARORA Assistant Professor, Department of Applied Sciences, UIET, Panjab University SSG Regional Centre, Hoshiarpur (Affiliated to Panjab University, Chandigarh), Punjab, 146023, India</p> <p>Neeraj Sharma Assistant Professor, UIET, Panjab University SSG Regional Centre Hoshiarpur, Punjab, 146023, India</p> <p>Dr. Umesh Kumar Food Analyst, Department Food safety and Drug Administration, Uttar Pradesh, India</p> <p>Parveen Kumar Senior Manager, Indian Oil Corporation, 7994 St no 15 Durga Puri Haibowal kalan Ludhiana, Panjab, 141001, India</p>					
71 Applicant substituted:				Date registered	
71 Assignee(s):				Date registered	
72 Full name(s) of inventor(s):					
<p>Dr. Rahul Boadh Dr. Surinder Singh Dr. Renu Devi Dr. Anil Yadav Dr. Satish Kumar Dr. Soniya Dr. SUKHVINDER SINGH BAMBER Dr. Neelam Sharma VINAY ARORA Neeraj Sharma Dr. Umesh Kumar Parveen Kumar</p>					
Priority claimed:		Country	Number	Date	
54 Title of invention					
A COUPLING TECHNIQUE BASED SYSTEM FOR STUDYING THE POLLUTANTS EMITTED FROM VEHICLES					
This document has been generated by CIPC on this 20th day of December 2022					
Address of applicant(s)/patentee(s):					
Assistant Professor, Department of Mathematics, K. R. Mangalam University, Sohna Road, Gurugram, Haryana, 122103					
INDIA					
Assistant Professor, Dr. S. S. Bhatnagar University Institute of Chemical Engineering and Technology, Panjab University, Chandigarh, 160014					


Registrar
K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

INDIA

(Head of the Department) Associate Professor, Department of Geography, Digamber Jain College, Baraut (Baghpat), Ch. Charan Singh University Meerut, Uttar Pradesh

INDIA

Associate Professor, Chemical Engineering, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Sonapat, Haryana, 131027

INDIA

Assistant Professor, Department of Applied Sciences, UIET, Panjab University SSG Regional Centre, Hoshiarpur (Affiliated to Panjab University, Chandigarh), Punjab

INDIA

Research Scholar, Applied Mathematics and Scientific Computing Department, Saharanpur Campus, I.I.T. Roorkee, Uttar Pradesh

INDIA

ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, PANJAB UNIVERSITY SSG REGIONAL CENTRE, HOSHIARPUR

INDIA

Extension Lecturer, Department of Mathematics, Government college Hodal, Hodal, Haryana

INDIA

Assistant Professor, Department of Applied Sciences, UIET, Panjab University SSG Regional Centre, Hoshiarpur (Affiliated to Panjab University, Chandigarh), Punjab, 146023

INDIA

Assistant Professor, UIET, Panjab University SSG Regional Centre Hoshiarpur, Punjab, 146023

INDIA

Food Analyst, Department Food safety and Drug Administration, Uttar Pradesh

INDIA

Senior Manager, Indian Oil Corporation, 7994 St no 15 Durga Puri Haibowal kalan Ludhiana, Panjab, 141001

INDIA

74 Address for service

Wolmarans and Susan Inc.

337 Surrey Avenue, Randburg, 2194

SOUTH AFRICA

Reference No.

61 Patent of addition No.

Date of any change

Fresh application based on.

Date of any change


Registrar
K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount
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HISTORY SHEET

Date entry made	Description
2022-10-20	Request for the acceptance of a Patent electronically filed on 19/10/2022, numbered 2022/11443
2022-10-20	Proof reading performed automatically
2022-11-24	Application accepted on 24/11/2022.
2022-12-22	Patent advertised on 21-12-2022.
2022-12-22	Patent granted on 21-12-2022.


Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6256044

Grant date: 29 January 2023

Registration date: 18 January 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

DR. ATUL AGNIHOTRI, PROF. (DR.) RAM KINKAR PANDEY, DR. NIRAJ

UPADHAYAYA, DR. RAVI KUMAR GUNTU, VINEET DAHIYA, DR. S.

VANITHAMANI, Udit MAMODIYA

in respect of the application of such design to:

Automatically Cup Management and Filing Machine

International Design Classification:

Version: 14-2023

Class: 15 MACHINES, NOT ELSEWHERE SPECIFIED

Subclass: 10 MACHINERY FOR FILLING, PACKING OR PACKAGING

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks

Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipos

Registrar

K.R. Mangalam University

Sohna Road, Gurugram (Haryana)



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6262632

Grant date: 28 February 2023

Registration date: 16 February 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Virendra Kumar Hari Lal, Dr. Surendra Kumar Yadav Mahesh Yadav, Dr.

Nishant Kumar Singh Arun Kumar Singh, Dr. Lalita Prasad Shri Kanchhi Lal,

Prem Charles Immanuel

in respect of the application of such design to:

Touch and Clickwheel Controlled Thermostat for Floor Heating System

International Design Classification:

Version: 14-2023

Class: 10 CLOCKS AND WATCHES AND OTHER MEASURING
INSTRUMENTS, CHECKING AND SIGNALLING INSTRUMENTS

Subclass: 04 OTHER MEASURING INSTRUMENTS, APPARATUS AND
DEVICES

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipo

Registrar

K.R. Mangalam University
Sohna Road. Gurugram (Haryana)



Intellectual
Property
Office

Certificate of Registration for a UK Design

Design number: 6268246

Grant date: 21 March 2023

Registration date: 14 March 2023

This is to certify that,

in pursuance of and subject to the provision of Registered Designs Act 1949, the design of which a representation or specimen is attached, had been registered as of the date of registration shown above in the name of

Dr. Anurag Shrivastava , Dr. Lata Vodwal , Dr. Swati Gupta , Dr. Chandra

Mohan, Dr Rashel Sarkar , Sumanta Bhattacharya, Dr Vinod Kumar , Mrs Puja

Varsha

in respect of the application of such design to:

INTELLIGENT SENSOR BASED BIODEGRADABLE WASTE COLLECTION

UNIT

International Design Classification:

Version: 14-2023

Class: 09 PACKAGING AND CONTAINERS FOR THE TRANSPORT OR
HANDLING OF GOODS

Subclass: 09 REFUSE AND TRASH CONTAINERS AND STANDS THEREFOR

Adam Williams

Comptroller-General of Patents, Designs and Trade Marks
Intellectual Property Office

The attention of the Proprietor(s) is drawn to the important notes overleaf.



Intellectual Property Office is an operating name of the Patent Office

www.gov.uk/ipa

Registrar

K.R. Mangalam University
Sohna Road. Gurugram (Haryana)



REPUBLIC OF SOUTH AFRICA

REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

Dr. Pankaj Gupta; Dr. Pugazhenthana Thangaraju; Dr. Ajay Pal Singh; Dr. A. R. Vijayakumar; Dr. R. Sudhakar; Dr. Sundararajan G; Dr. N. Delhiraj; Dr. Nitin Kumar; Dr. Amit Chawla

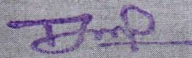
Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

2022/12257

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 29th day of March 2023


Registrar of Patents


Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

REPUBLIC OF SOUTH AFRICA

REGISTER OF PATENTS

PATENTS ACT, 1978

Official application No.		Lodging date: Provisional		Acceptance date	
21	01	2022/11999		22	
International classification		Lodging date: Complete		Granted date	
51	G06N	23	2022/11/03		2023/03/29
71 Full name(s) of applicant(s)/Patentee(s):					
<p>Dr. Rahul Boadh Assistant Professor, Department of Mathematics, K. R. Mangalam University, Sohna Road, Gurugram, Haryana, 122103, India</p> <p>Dr. Satish Kumar Assistant Professor, Department of Applied Sciences, UIET, Panjab University SSG Regional Centre, Hoshiarpur, Affiliated to Panjab University Chandigarh, Punjab, India</p> <p>Dr. Chandra Mohan Assistant Professor, Deptt. of Chemistry, SBAS, K R Mangalam University, Gurugram, Haryana, 122103, India</p> <p>Dr. Yogendra Kumar Rajoria Assistant Professor, Department of Mathematics, School of Basic & Applied Sciences, K. R. Mangalam University, Gurugram, Haryana, 122103, India</p> <p>Dr. Rupali Assistant Professor, Department of Mathematics, K. R. Mangalam University, Haryana, 122103, India</p> <p>Dr. Soniya Research Scholar, Applied Mathematics and Scientific Computing Department, Saharanpur Campus, I.I.T. Roorkee, Uttar Pradesh, India</p> <p>Dr. SUKHVINDER SINGH BAMBER ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, PANJAB UNIVERSITY SSG REGIONAL CENTRE, HOSHIARPUR, India</p> <p>Dr. Seema Saini Professor, Department of Mathematics, Graphic Era Deemed to be University Dehradun, Uttarakhand, 248001, India</p> <p>Dr. Sunil Madhukar Kumbhar M. Phil. (Mathematics), Pusegaon road (Opposite to the Court) Vaduj, Tal. Khatav, Dist: Satara, Maharastra, 415506, India</p> <p>Dr. Nitu Sehwat Assistant professor, Bharati Vidyapeeth's College of Engineering, Paschim Vihar, New Delhi, 110063, India</p> <p>Dr Anil Kumar Assistant professor, Bharati Vidyapeeth's College of Engineering, Paschim Vihar, New Delhi, 110063, India</p> <p>Reena Assistant Professor, Department of Mathematics, Govt college sector 9, Gurugram, Haryana, 122001, India</p> <p>Anuradha Sabharwal Assistant Professor, Department of Mathematics, Government College, Bahadurgarh, Haryana, 124507, India</p>					
71 Applicant substituted:				Date registered	
71 Assignee(s):				Date registered	
72 Full name(s) of inventor(s):					
<p>Dr. Rahul Boadh Dr. Satish Kumar Dr. Chandra Mohan Dr. Yogendra Kumar Rajoria Dr. Rupali Dr. Soniya Dr. SUKHVINDER SINGH BAMBER Dr. Seema Saini Dr. Sunil Madhukar Kumbhar Dr. Nitu Sehwat Dr Anil Kumar Reena Anuradha Sabharwal</p>					
Priority claimed:		Country	Number		Date
54 Title of invention					
A METHOD FOR IDENTIFYING THE MOST DURABLE PLASTIC MATERIAL USING RADIAL BASIS FUNCTION BIPOLAR FUZZY NEURAL NETWORK This document has been generated by CIPC on this 3rd day of April 2023					
Address of applicant(s)/patentee(s):					


Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Assistant Professor, Department of Mathematics, K. R. Mangalam University, Sohna Road, Gurugram, Haryana, 122103

INDIA

Assistant Professor, Department of Applied Sciences, UIET, Panjab University SSG Regional Centre, Hoshiarpur, Affiliated to Panjab University Chandigarh, Punjab

INDIA

Assistant Professor, Deptt. of Chemistry, SBAS, K R Mangalam University, Gurugram, Haryana, 122103

INDIA

Assistant Professor, Department of Mathematics, School of Basic & Applied Sciences, K. R. Mangalam University, Gurugram, Haryana, 122103

INDIA

Assistant Professor, Department of Mathematics, K. R. Mangalam University, Haryana, 122103

INDIA

Research Scholar, Applied Mathematics and Scientific Computing Department, Saharanpur Campus, I.I.T. Roorkee, Uttar Pradesh

INDIA

ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE ENGINEERING, PANJAB UNIVERSITY SSG REGIONAL CENTRE, HOSHIARPUR

INDIA

Professor, Department of Mathematics, Graphic Era Deemed to be University Dehradun, Uttarakhand, 248001

INDIA

M. Phil. (Mathematics), Pusegaon road (Opposite to the Court) Vaduj, Tal. Khatav, Dist: Satara, Maharastra, 415506

INDIA

Assistant professor, Bharati Vidyapeeth's College of Engineering, Paschim Vihar, New Delhi, 110063

INDIA

Assistant professor, Bharati Vidyapeeth's College of Engineering, Paschim Vihar, New Delhi, 110063

INDIA

Assistant Professor, Department of Mathematics, Govt college sector 9, Gurugram, Haryana, 122001

INDIA

Assistant Professor, Department of Mathematics, Government College, Bahadurgarh, Haryana, 124507

INDIA

74 Address for service

Wolmarans and Susan Inc.

337 Surrey Avenue, Randburg, 2194

SOUTH AFRICA

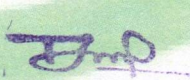
Reference No.

61 Patent of addition No.

Date of any change

Fresh application based on.

Date of any change


Registrar
K.R. Mangalam University
Sohna Road. Gurugram (Haryana)

RENEWAL SHEET

Year	Payment Date	Receipt Number	Amount
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HISTORY SHEET

Date entry made	Description
2022-11-04	Proof reading performed automatically
2022-11-04	Request for the acceptance of a Patent electronically filed on 3/11/2022, numbered 2022/11999
2023-02-14	Patent Notice of Acceptance sent by email to info@wsip.co.za
2023-02-14	Application accepted on 14/02/2023.
2023-03-30	Patent advertised on 29-03-2023.
2023-03-30	Patent granted on 29-03-2023.



Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

Urkunde

über die Eintragung des
Gebrauchsmusters Nr. 20 2023 103 524

Bezeichnung:

System zur Untersuchung eines Einsatzes künstlicher Intelligenz bei Marketing-
Entscheidungen

IPC:

G06Q 30/02

Inhaber/Inhaberin:

Arora, Amishi, Dr., Nagpur, Maharashtra, IN
Dhale, Shrikrishna, Dr., Nagpur, Maharashtra, IN
Gujral, Meenakshi, Dr., New Delhi, IN
Gupta, Amit Kumar, Jabalpur, Madhya Pradesh, IN
Kediya, Shailesh Omprakash, Dr., Pune, Maharashtra, IN
Khuntia, Sangram, Balangir, Odisha, IN
Metre, Sujit Gajananrao, Dr., Nagpur, Maharashtra, IN
Satpute, Reena Sudhakar Rao, Wardha, Maharashtra, IN
Sharma, Anil Radheshyam, Dr., Nagpur, Maharashtra, IN
Somnath, Tushar, Dr., Wardha, Maharashtra, IN
Suchak, Anup Kirtikumar, Nagpur, Maharashtra, IN
Zunjur, Ashutosh, Dr., Pune, Maharashtra, IN

Tag der Anmeldung:

26.06.2023

Tag der Eintragung:

12.07.2023

Die Präsidentin des Deutschen Patent- und Markenamts



Eva Schewior
München, 12.07.2023



Die Voraussetzungen der Schutzfähigkeit werden bei der Eintragung eines Gebrauchsmusters nicht geprüft.
Den aktuellen Rechtsstand und Schutzzumfang entnehmen Sie bitte dem DPMAregister unter www.dpma.de.


Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

certificate

on the registration of
the utility model no. 20 2023 103 524

Designation:

System for investigating the use of artificial intelligence in marketing
decisions

IPC:

G06Q 30/02

Inventor/Inventors:


Arora, Amishi, Dr., Nagpur, Maharashtra, IN
Dhale, Shrikrishna, Dr., Nagpur, Maharashtra, IN
Gujral, Meenakshi, Dr., New Delhi, IN
Gupta, Amit Kumar, Jabalpur, Madhya Pradesh, IN
Kediya, Shailesh Omprakash, Dr., Pune, Maharashtra, IN
Khuntia, Sangram, Balangir, Odisha, IN
Metre, Sujit Gajananrao, Dr., Nagpur, Maharashtra, IN
Satpute, Reena Sudhakarrao, Wardha, Maharashtra, IN
Sharma, Anil Radheshyam, Dr., Nagpur, Maharashtra, IN
Somnath, Tushar, Dr., Wardha, Maharashtra, IN
Suchak, Anup Kirtikumar, Nagpur, Maharashtra, IN
Zunjur, Ashutosh, Dr., Pune, Maharashtra, IN

Date of registration:

06/26/2023

Date of registration:

12.07.2023


Registrar
K.R. Mangalam University
Sohna Road, Gurugram (Haryana)

The President of the German Patent and Trademark Office

Eva Schier

Eva Schewior
Munich, July 12, 2023



The requirements for protectability are not checked when registering a utility model. Please refer to the DPMAregister at www.dpma.de for the current legal status and scope of registration.

क्रम सं/SL No :011164707



सत्यमेव जयते

The Patent Office, Government Of India

Patent Certificate

(Rule 74 of The Patents Rules)

440384

202211046268

13/08/2022

1.Dr. ABHISHEK TIWARI 2.Dr. SURESH KUMAR 3.Dr. VARSHA
TIWARI 4.Dr. MANISH KUMAR

It is hereby certified that a patent has been granted to the patentee for an invention entitled *SYNTHESIS, CHARACTERIZATION AND EVALUATION OF INTEGERRIMIDE-A AS POTENTIAL ANTIMICROBIAL AND ANTICANCER AGENT* as disclosed in the above mentioned application for the term of 20 years from the 13th day of August 2022 in accordance with the provisions of the Patents Act, 1970.

of 20 years from the 13th day of August 2022 in accordance with the provisions of the Patents Act, 1970.

சுரு

Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)



अनुदान की तारीख : 25/07/2023
Date of Grant :

टिप्पणी - इस पेटेंट के नवीकरण के लिए फीस, यदि इसे बनाए रखा जाना है, अगस्त 2024 के तेरहवें दिन को और उसके पश्चात प्रत्येक वर्ष में उसी दिन देय होगी।

Note. The fees for renewal of this patent, if it is to be maintained, will fall / has fallen due on 13th day of August 2024 and on the same day in every year thereafter.

*चूंकि पेटेंटी व आविष्कारकों की संख्या अधिक है, पेटेंटी व आविष्कारकों के नाम पृष्ठ संख्या 2 पर जारी हैं।

*Since the Number of Patentees / Inventors is more, the name of Patentees / Inventors are continued on Page No. 2



**INTELLECTUAL
PROPERTY INDIA**
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

पेटेंट प्रमाणपत्र के लिए अनुलग्नक/Annexure to Patent Certificate

पेटेंट सं. / Patent No.

440384

आवेदन सं. / Application No.

202211046268

फाइल करने की तारीख / Date of Filing

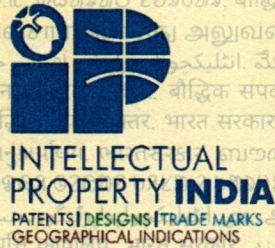
13/08/2022

पेटेंटी / Patentee (जारी/Continued)

5.Dr. RENU SAHARAN 6.Dr. PANKAJ GUPTA 7.Dr. AJAY PAL
SINGH 8.Dr. ASHUTOSH AGGARWAL

Registrar

K.R. Mangalam University
Sohna Road, Gurugram (Haryana)



ORIGINAL

क्रम सं/ Serial No. : 138480



**INTELLECTUAL
PROPERTY INDIA**
PATENTS | DESIGNS | TRADE MARKS
GEOGRAPHICAL INDICATIONS

सत्यमेव जयते

पेटेंट कार्यालय, भारत सरकार

The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र

Certificate of Registration of Design

डिजाइन सं. / Design No.

367533-001

तारीख / Date

11/07/2022

पारस्परिकता तारीख / Reciprocity Date*

देश / Country

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **MULTI-PURPOSE WATER BOTTLE** से संबंधित है, का पंजीकरण, श्रेणी **09-01** में **1. Meerut Institute Of Engineering And Technology 2. Dr. Prabhakar Bhandari 3. Dr. Pooja Bhandari 4. Dr. Kamal Singh Rawat 5. Dr. Swapan Suman** के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

*Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 09-01 in respect of the application of such design to **MULTI-PURPOSE WATER BOTTLE** in the name of **1. Meerut Institute Of Engineering And Technology 2. Dr. Prabhakar Bhandari 3. Dr. Pooja Bhandari 4. Dr. Kamal Singh Rawat 5. Dr. Swapan Suman**.*

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

Registrar

**K.R. Mangalam University
Sonha Road, Gurugram (Haryana)**



जारी करने की तिथि : 01/06/2023
Date of Issue

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।
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मूल/No : 136943



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THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

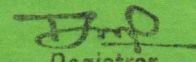
डिजाइन सं. / Design No. : 382628-001
तारीख / Date : 30/03/2023
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **AUTOMATED JOINT PAIN RELIEF CHAIR** से संबंधित है, का पंजीकरण, श्रेणी 12-12 में 1.Mr. Jagannath Pattar 2. Dr. Maddikera Kalyan Chakravarthi 3.Aayushi Arya 4.Om Prakash Singh 5.Dr. Manoj M. Gadewar 6.Dr.K.Sharmila के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 12-12 in respect of the application of such design to **AUTOMATED JOINT PAIN RELIEF CHAIR** in the name of 1.Mr. Jagannath Pattar 2. Dr. Maddikera Kalyan Chakravarthi 3.Aayushi Arya 4.Om Prakash Singh 5.Dr. Manoj M. Gadewar 6.Dr.K.Sharmila.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

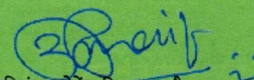
In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.


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निर्गमन की तारीख/Date of Issue : 23/05/2023


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मूल/No : 137670



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डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No. : 370375-001
तारीख / Date : 05/09/2022
पारस्परिकता तारीख / Reciprocity Date* :
देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **MULTIFACILITY BED WITH EXPENDABLE FEATURE AND BABY PROTECTOR** से संबंधित है, का पंजीकरण, श्रेणी 06-02 में 1.Chitkara University (Punjab) 2. Chitkara Innovation Incubator Foundation 3.Madan, Jaya 4.Jindal, Ruby 5.Jindal, Ankur 6.Pandey, Rahul 7.Gautam, Rajni के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 06-02 in respect of the application of such design to **MULTIFACILITY BED WITH EXPENDABLE FEATURE AND BABY PROTECTOR** in the name of 1.Chitkara University (Punjab) 2. Chitkara Innovation Incubator Foundation 3.Madan, Jaya 4.Jindal, Ruby 5.Jindal, Ankur 6.Pandey, Rahul 7.Gautam, Rajni.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्याधीन प्रावधानों के अनुसरण में।

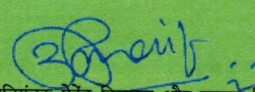
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निर्गमन की तारीख/Date of Issue : 24/05/2023


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Application Details

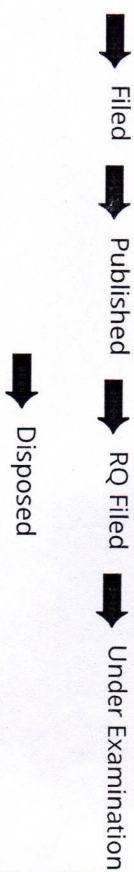
APPLICATION NUMBER	202311049088
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	20/07/2023
APPLICANT NAME	1. Mohit Agrawal 2. Mannohan Singhal 3. Nidhi Bansal 4. Sunil Kumar 5. Vipin Keshawani 6. Nupur Sharma
TITLE OF INVENTION	P-SYNERPHINE AS POSSIBLE NEUROPROTECTIVE AGENT TO TREATING ALZHEIMERS DISEASES ASSOCIATED WITH NEUROBEHAVIORAL DEFICITS BY PERFORMING IN-VIVO & IN-VITRO EVALUATION
FIELD OF INVENTION	BIO-CHEMISTRY
E-MAIL (As Per Record)	vaagaiip@gmail.com
ADDITIONAL-EMAIL (As Per Record)	vaagaiip@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/08/2023 ✓

Application Status

APPLICATION STATUS

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PATENT DESIGN TRADE MARKS
REGISTRATION NOTIFICATION

Application Details

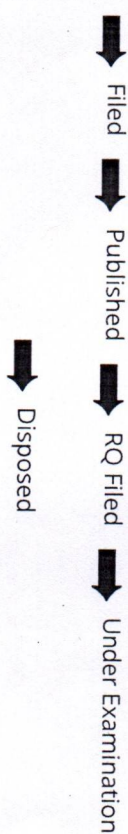
APPLICATION NUMBER	202311055572
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/08/2023
APPLICANT NAME	1. Dr. Chandra Mohan 2. Dr. Neeraj Kumari 3. Dr. Mozghan Afshari 4. Dr. Lata Vodwal 5. Dr. Priyanka Dhaka 6. Ms. Jennifer Robinson
TITLE OF INVENTION	SYNTHESIS OF CLAY-BASED NANOSCALE PIGMENTS
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	ramesh.panda.mech@gmail.com
ADDITIONAL-EMAIL (As Per Record)	ramesh.panda.mech@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	15/09/2023

Application Status

APPLICATION STATUS

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Application Details

APPLICATION NUMBER	202341045286
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/07/2023
APPLICANT NAME	1. Dr. Punniyakoti Veeraveedu Thankachalam 2. Dr. Udal Bhan Singh Rathore 3. Kirti Rathore 4. Dr. D Prasanth 5. Dr. Jitendra Gupta 6. Dr. Ceema Mathew 7. Sourav Tribedi 8. K. Sakthivel 9. C. Rajesh 10. Renu Sehrawat 11. Dr. Yamseekrishna Gorjavalu 12. G. Arunachalam
TITLE OF INVENTION	NATURAL POLYHERBAL COMPOSITION FOR TREATING ALCOHOLIC LIVER CIRRHOSIS
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	mail@ideas2ipr.com
ADDITIONAL-E-MAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	01/09/2023

Application Status

<https://ipsearch.ipindia.gov.in/PatentSearch/PatentSearchViewApplicationStatus>

APPLICATION STATUS

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Application Details

APPLICATION NUMBER	202311048434
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/07/2023
APPLICANT NAME	1. Dr Pooja Verma 2. Dr P. C. Jena 3. Dr Shabha Subuhi 4. Dr Binti Dua 5. Mr. Osama Qamar 6. Dr Harveen Kaur
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED CONCEPTS FOR DEVELOPING ENGLISH LANGUAGE TEACHING OR LEARNING SKILLS
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	info@lexgin.com
ADDITIONAL-EMAIL (As Per Record)	info@lexgin.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/08/2023

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Patent Search

Invention Title	AI ENABLED SECURITY CAMERA DEVICE TO PREVENT INITIAL LEVEL HEALTH ISSUES FROM DIFFERENT KIND VIRUSES		
Publication Number	29/2023		
Publication Date	21/07/2023		
Publication Type	INA		
Application Number	202311043862		
Application Filing Date	30/06/2023		
Priority Number			
Priority Country			
Field Of Invention	ELECTRONICS		
Classification (IPC)	G06K 096200, G06T 070000, G08B 131960, H04N 052250, H04N 071800		
Inventor			
Name	Address	Country	Nat
Ms. Neetu Gupta	Assistant Professor, K. R. Mangalam University, Sohna, Gurgaon, Haryana - 122103	India	Indi
Mr. Prateek Garg	Opposite Baba Prasad Giri Mandir Near Mata Gate Pajjar Haryana - 124103	India	Indi
Mr. Saurav Sagar	Software Developer, A 121/3-4, Lions Enclave, Vikas Nagar, South West Delhi - 110059	India	Indi
Applicant			
Name	Address	Country	
Ms. Neetu Gupta	Assistant Professor, K. R. Mangalam University, Sohna, Gurgaon, Haryana - 122103	India	li
Mr. Prateek Garg	Opposite Baba Prasad Giri Mandir Near Mata Gate Pajjar Haryana - 124103	India	li
Dr. Puja Acharya	Assistant Professor, K. R. Mangalam University, Sohna, Gurgaon, Haryana - 122103	India	li
Ms. Smriti Dawdel	Assistant Professor, DPQITM, Hero Honda, behind Marble market, Sector 34, Gurgaon, Haryana - 122001	India	li
Ms. Alita Arya	Senior Research Fellow, Indian Institute of Technology, Roorkee, Hardwar, Uttarakhand - 249403	India	li
Ms. Shweta Arya	System simulation Engineer, 4/288, Anand Nagar, Shuklaganj, Umeo, Kanpur, Uttar Pradesh - 209861	India	li
Mr. Saurav Sagar	Software Developer, A 121/3-4, Lions Enclave, Vikas Nagar, South West Delhi - 110059	India	li

Abstract:

The present invention relates to an AI enabled security camera device (100) to prevent initial level health issues from different kind viruses. The device (100) comprise plurality of camera sensors, a deep learning algorithm unit, a computational unit, an internet of things, an alert unit, and a web application. The plurality of camera are used to capture images or video footage of individuals' faces. The deep learning algorithm unit is used to analyze the visual data to determine whether a person is wearing a mask or not. The computational unit is used to perform processing operations for decision making and real time detection. The internet of things is configured to open database of individuals wearing mask information. The alert unit is configured to provide alert to people and authorities about mask. The web application is used to monitor people wearing face masks.

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Complete Specification

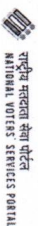
Description: FIELD OF INVENTION
The present invention relates to a field of artificial intelligence and particularly to an AI enabled security camera device to prevent initial level health issues from different kind viruses.

BACKGROUND OF THE INVENTION

Recent years have seen a rise in the prevalence, contagiousness, and risk of the large family of viruses known as coronaviruses to the entire human race. It travels from person to person by exhaling the infectious breath, which leaves virus droplets on various surfaces, which are subsequently inhaled by other people, who then contract infection. During the global pandemic caused by COVID-19, wearing face masks has been widely recognized as a crucial preventive measure to reduce the transmission of the virus. However, ensuring that individuals consistently wear masks in public spaces can be challenging to manage manually, particularly in high-traffic areas such as airports, hospitals, schools, and retail environments. The COVID-19 pandemic has significantly impacted public health and safety, leading to the development of face detecting technology. These devices use computer vision, machine learning, and thermal imaging to accurately identify individuals who are not wearing face masks.

To overcome these limitations, automated solutions are needed to enforce mask-wearing regulations in public areas like airports, hospitals, cinema halls, shops, malls, schools, and retail settings. The face mask detection device addresses this problem by automating the process of identifying individuals who are not wearing masks. By utilizing various technologies such as computer vision, machine learning, and thermal imaging, these devices can detect and classify whether a person is a mask wearer or not.

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Ministry of Commerce and Industry

Design Application Details

Application Number:

367145-001

Cbr Number:

203419

Cbr Date:

03/07/2022 21:38:16

Applicant Name:

1. Dr.T.Milton 2. Dr. Gaurav Sood 3. Rohan Sood 4. Vandita Hajra
5. Ms. Jyoti Kataria 6. Dr Gurbir Singh Khara 7. Dr. Rajat Gera
8. Venkatesh Bharti

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 23/2023 and Journal Date is 09/06/2023 ✓

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Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

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Patent Search

Invention Title METHOD FOR SECURING CROWDFUNDING PLATFORM USING BLOCKCHAIN TECHNOLOGY

Publication Number 23/2023

Publication Date 09/06/2023

Application Number 202311031412

Application Filing Date 03/05/2023

Priority Number

Priority Country

Priority Date

Field Of Invention COMPUTER SCIENCE

Classification (IPC) G06N 20/0000, G06Q 20/9800, G06Q 30/0200, G06Q 40/0600, H04L 09/3020

Inventor

Name

Address

Country

Anam Shukla

Student, Computer Science & Engineering, School of Engineering and Technology, K.R. Mangalam University, Sohna Road, Gurugram - 122103

Dr. Neeraj

Professor, IT Department, Panipat Institute of Engineering and Technology, Samalkha, Panipat - 132102

Dr. Palak

Assistant Professor, Computer Science & Engineering, School of Engineering and Technology, K.R. Mangalam University, Sohna Road, Gurugram - 122103

Sagar Vashnav

Student, Computer Science & Engineering, School of Engineering and Technology, K.R. Mangalam University, Sohna Road, Gurugram - 122103

Rishav Jha

Student, Computer Science & Engineering, School of Engineering and Technology, K.R. Mangalam University, Sohna Road, Gurugram - 122103

Applicant

Name

Address

Country

Anam Shukla

Student, Computer Science & Engineering, School of Engineering and Technology, K.R. Mangalam University, Sohna Road, Gurugram - 122103

Dr. Neeraj

Professor, IT Department, Panipat Institute of Engineering and Technology, Samalkha, Panipat - 132102

Dr. Palak

Assistant Professor, Computer Science & Engineering, School of Engineering and Technology, K.R. Mangalam University, Sohna Road, Gurugram - 122103

Sagar Vashnav

Student, Computer Science & Engineering, School of Engineering and Technology, K.R. Mangalam University, Sohna Road, Gurugram - 122103

Rishav Jha

Student, Computer Science & Engineering, School of Engineering and Technology, K.R. Mangalam University, Sohna Road, Gurugram - 122103

Abstract:

METHOD FOR SECURING CROWDFUNDING PLATFORM USING BLOCKCHAIN TECHNOLOGY. Accordingly, embodiments herein disclose a method for securing crowd-

platform using blockchain technology, comprising the steps of: receiving a target transaction constructed based on a business owner and a resource amount; specific-

investors using one or more blockchain nodes in a blockchain network; performing consensus verification on the target transaction by the one or more blockchain nodes;

establishing a first correspondence between the business owner and virtual resources corresponding to the resource amount by the one or more blockchain nodes; the

method may involve receiving project information of a crowdfunding project initiated by a crowdfunding user by the one or more blockchain nodes; from a crowd-

node; and establishing a second correspondence between the business owner and a set of virtual resources for which the ledger includes a correspondence between

business owner and the set of virtual resources by the one or more blockchain nodes; figure to be published with Abstract: Figure 1 Dated this 28th day of April, 2023

AGENT FOR THE APPLICANT NINPA/1838

https://ipsearch.ipindia.gov.in/PublicSearch/PublicationSearch/PatentDetails

1/2

3/12/24, 9:43 AM

Intellectual Property India

Complete Specification

Description/FIELD OF INVENTION

BLOCKCHAIN OR INVENTION

[0001] The present disclosure relates to the field of blockchain technology and more particularly, to a method for securing crowdfunding platform using blockchain

technology.

[0002] Crowdfunding is a new and innovative method for funding various kinds of ventures, wherein individual founders of the ventures can request for funds. If

ventures may be working for profit motive, cultural or social. The funds are usually given in return for future products or equity. It includes the use of internet social

platforms to connect investors with entrepreneurs in order to raise capital for various kinds of ventures in return for compensation.

[0003] Blockchain is a unique, independent and a transparent system which keep the transactions between parties transparent. Crowdfunding is based on the tr-

between the investors and stakeholders. Blockchain is a distributed database of a general ledger of all transactions that have been carried out which are verified by

majority of consensus in the system that will be shared with all parties concerned. And, once entered, information cannot be deleted. Blockchain contains certain re-

and can be verified every single transaction that has ever been carried out. Blockchain is a database of transaction records that are distributed, validated and mana-

computer networks around the world. Based on the definition above, it can be concluded that the blockchain is a distributed database technology with a guarantee

security system that is considered to be able to increase the trust of the parties involved in a project or in long-term collaboration.

[0004] The emergence of new technologies has great potential in crowdfunding organizations as well as individuals. Crowdfunding platforms using the blockchain

technology increase the credibility of various markets and ventures and therefore attract huge funds from investors and donor. The flow chart with entrepreneur

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Application Details

APPLICATION NUMBER	202311027575
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/04/2023
APPLICANT NAME	1. SHREYANTH S 2. Rajesh P K 3. Sarveshwaran R 4. Dr. Amar Saraswat 5. Nupur Aggarwal 6. Naveen Kumar
TITLE OF INVENTION	SYSTEM AND METHOD FOR AN ARCHITECTURAL FRAMEWORK FOR DESIGN OF AN INTERACTIVE CONTENT DELIVERY SYSTEM USING MACHINE LEARNING MODEL
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	fetsi.vm@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	fetsi.vm@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	02/06/2023

Application Status

APPLICATION STATUS

Awaiting Request for Examination

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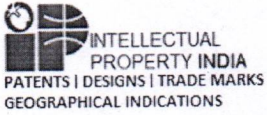
➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination

➡ Disposed

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Design Application Details

Application Number:

367533-001

Cbr Number:

203671

Cbr Date:

11/07/2022 15:38:26

Applicant Name:

- | | |
|---|---------------------------|
| 1. Meerut Institute of Engineering and Technology | 2. Dr. Prabhakar Bhandari |
| 3. Dr. Pooja Bhandari | 4. Dr. Kamal Singh Rawat |
| | 5. Dr. Swapan Suman |

Design Application Status

Application Status:

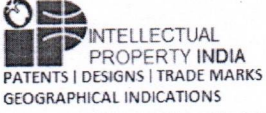
Design Accepted and Published, Journal No is 22/2023 and Journal Date is 02/06/2023

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Design Application Details

Application Number:

382279-001

Cbr Number:

203788

Cbr Date:

26/03/2023 14:53:22

Applicant Name:

1. Mr. Chandra Prakash Dwivedi
2. Dr. Hemant P. Suryawanshi
3. Dr. Mousumi Kar Pillai
4. Dr. Priyanka Sinha
5. Dr. Dilip Kumar Tiwari
6. Dr. M V N L Chaitanya
7. Dr. Rashmi Saxena Pal
8. Dr. Rishi Pal
9. Dr. Ravi Kumar Kota
10. Dr. Sandeep Gupta

Design Application Status


Application Status:

Design Accepted and Published, Journal No is 22/2023 and Journal Date is 02/06/2023

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Ministry of Commerce and Industry

Design Application Details

Application Number:

379396-001

Cbr Number:

202118

Cbr Date:

15/02/2023 23:25:16

Applicant Name:

1. Dr. Surendra Kumar Yadav 2. Dr. Virendra Kumar 3. Dr. Nishant Kumar Singh
4. Dr. Lalta Prasad

Design Application Status


Application Status:

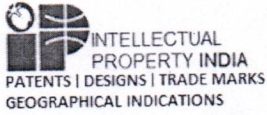
Design Accepted and Published, Journal No is 21/2023 and Journal Date is 26/05/2023

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Ministry of Commerce and Industry

Design Application Details

Application Number:

370375-001

Cbr Number:

205627

Cbr Date:

05/09/2022 13:06:10

Applicant Name:

1. CHITKARA UNIVERSITY (PUNJAB)
2. CHITKARA INNOVATION INCUBATOR FOUNDATION
3. MADAN, JAYA
4. JINDAL, RUBY
5. JINDAL, ANKUR
6. PANDEY, RAHUL
7. GAUTAM, RAJNI

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 21/2023 and Journal Date is 26/05/2023

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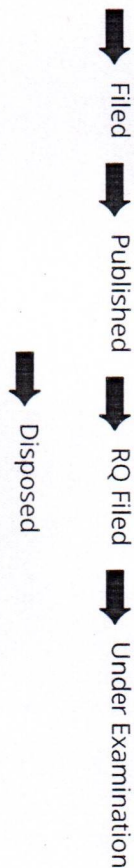
APPLICATION NUMBER	202311026400
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/04/2023
APPLICANT NAME	1. Neelam Dhankhar 2. Anjali Sudha 3. Manisha Singh 4. Dr. Jyoti Sinha 5. Suresh Singh 6. Gaurav Saxena
TITLE OF INVENTION	MACHINE LEARNING ENABLED SYSTEM FOR DETECTION OF DEPRESSION SEVERITY SCORES BASED ON EEG SIGNAL
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	mukesh.research24@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	19/05/2023

Application Status

APPLICATION STATUS

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Design Application Details

Application Number:

378844-001

Cbr Number:

200029

Cbr Date:

07/02/2023 15:54:25

Applicant Name:

1. DR. NISHANT KUMAR SINGH 2. DR. LALTA PRASAD 3. DR. VIRENDRA KUMAR
4. DR. SURENDRA KUMAR YADAV

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 20/2023 and Journal Date is 19/05/2023

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Patent Search

Invention Title METHOD OF PREPARING HYDROGEL FORMULATION FOR WOUND HEALING

Publication Number 20/2023

Publication Date 19/05/2023

Publication Type INA

Application Number 202311027851

Application Filing Date 15/04/2023

Priority Number

Priority Country

Priority Date

Field Of Invention BIO-CHEMISTRY

Classification (IPC) A61K 090600, A61L 156000, A61L 260000, A61P 170200, C08B 370000

Inventor

Name	Address	Country	Nationality
Damini Yadav	K.R. Mangalam University	India	India
Dr. G.T. Kulikarni	Gokaraju Rangaraju College of Pharmacy	India	India
Poonam	Rajasthan University of Health Sciences	India	India
Meher Priya Sharma	K.R. Mangalam University	India	India
Dr. Pawan Jaiswal	Baba Mastnath University	India	India
Shailja	Baba Mastnath University	India	India
Dr. Hema Chaudhary	K.R. Mangalam University	India	India

Applicant

Name	Address	Country	National
Damini Yadav	Indian Bank, Pandwala Khurd, Najafgarh, New Delhi-110043	India	India

Abstract:

ABSTRACT METHOD OF PREPARING HYDROGEL FORMULATION FOR WOUND HEALING The present invention envisages a method of preparing hydrogel formulation for healing. The formulation comprises of complex of quercetin and folic acid with a polysaccharide solution to prepare nanoparticles which are further loaded in polyvinyl and xanthan gum-based hydrogel.

Complete Specification

Description: Preamble to the description
 THE FOLLOWING SPECIFICATION PARTICULARLY DESCRIBES THE INVENTION AND THE MANNER IN WHICH IT IS TO BE PERFORMED.

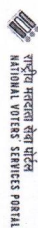
FIELD

The present disclosure generally relates to formulation intended for wound healing.

BACKGROUND

The background information herein below relates to the present disclosure but is not necessarily prior art. Hydrogels are nano-composite formulations of 3-D configured polymeric network having tendency to grab a massive water uptake or biological fluids suggesting its application for wound healing. Hydrogels have hydrophilic chemical groups like hydroxyl, impart them water absorbing affinity. Wound sites have high ROS (reactive oxygen species) besides having positive outcomes against invading bacteria, they also have destructive impact causing tissue fibroblast destruction, making skin fluids less flexible and even neoplastic formation in some cases. High antioxidant activity of flavonoid drugs could be used to counter the above effect thereof as they have high antioxidant activity and antimicrobial action along with. The usage of disrupted wound healing also stand the risk of being potentially infected by a bacteria called *Staphylococcus aureus*. Since the diabetic patient have impaired biology of wound healing due to hyperglycemia causing disruption of pro-angiogenic signalling, nitric oxide production, leukocyte dysfunction, peripheral neuropathy or am.

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Application Details

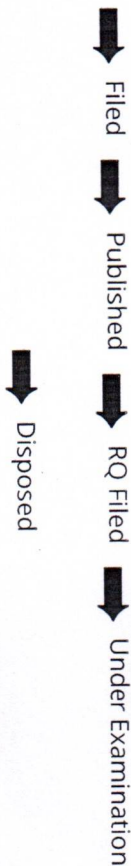
APPLICATION NUMBER	202311019408
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	21/03/2023
APPLICANT NAME	1. DR. MANOJ M. GADEWAR 2. DR. PRASHANTH GK 3. DR. SUCHETA 4. DR. POONAM R INAMDAR 5. MS. POONAM POPATRAO TARU 6. MOHAMMAD INTAKHAB ALAM
TITLE OF INVENTION	A LOW-COST BIOSENSOR BASED DEVICE FOR DETECTION OF VITAL NUTRIENTS
FIELD OF INVENTION	PHYSICS
E-MAIL (As Per Record)	bd@ipquad.com
ADDITIONAL-E-MAIL (As Per Record)	urvashi.sharma@ipquad.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	12/05/2023

APPLICATION STATUS

Application Status

Awaiting Request for Examination

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Patent Search

Invention Title	ARTIFICIAL INTELLIGENCE-DRIVEN SUPPLY CHAIN MANAGEMENT SYSTEM		
Publication Number	19/2023		
Publication Date	12/05/2023		
Publication Type	INA		
Application Number	202311018915		
Application Filing Date	20/03/2023		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	COMPUTER SCIENCE		
Classification (IPC)	G06Q 100600, G06Q 100800, G07G 030000, H02G 110000, H04L 452800		
Inventor			
Name	Address	Country	
Sheela Mali	Assistant Professor, Computer Science Department, Rajdhani College, University of Delhi, Delhi, India	India	
Dr. Carima Bhardwaj	Associate Professor, Department of Management, Army University, Plot No-48A, Knowledge Park III, Greater Noida, Uttar Pradesh, India	India	
Dr. Neha Jain	Associate Professor, Department of Artificial Intelligence and Machine Learning, Delhi Technical Campus, 28, 1, Knowledge Park III, Greater Noida, Uttar Pradesh 201306	India	
Dr. Ishrat Jahan	Assistant Professor, Department of Economics (School of Liberal Education), Galgotias University Plot No. 2, Yamuna Expy. opposite Buddha International Circuit, Sector 17A, Greater Noida, Uttar Pradesh	India	
Asha Sohni	Assistant Professor, Department of Computer Science and Engineering, K R Mangalam University, Sohna Road Gurgaon, Haryana-122103	India	
Dr. Zia Zehra Zaidi	Assistant Professor, Department of Applied Science and Humanities (Seep), ABES Engineering College, 19th KM Stone, NH-09, Ghazabad-201009, Uttar Pradesh, India	India	
Ashulekha Gupta	Professor, Department of Management Studies Graphic Era Deemed to be University, 566/66, Society Area, Bell Road, Clement Town, Dehradun, Uttarakhand, India	India	
Ruchika Batlia	Assistant Professor (Grade-III), Amity Institute of Information Technology, Amity University Campus, Sector 125, Noida - 201313, Gautam Budh Nagar, Uttar Pradesh, India	India	
Manoj Kumar	Assistant Professor (Sr. Scale), Mechanical Engineering Department, ABES Engineering College, 19th KM Stone, NH-09, Ghazabad-201009, Uttar Pradesh, India	India	
Applicant			

Name	Address	Country
Sheela Mali	Assistant Professor, Computer Science Department, Rajdhani College, University of Delhi, Delhi, India	India
Dr. Carima Bhardwaj	Associate Professor, Department of Management, Army University, Plot No-48A, Knowledge Park III, Greater Noida, Uttar Pradesh, India	India
Dr. Neha Jain	Associate Professor, Department of Artificial Intelligence and Machine Learning, Delhi Technical Campus, 28, 1, Knowledge Park III, Greater Noida, Uttar Pradesh 201306	India
Dr. Ishrat Jahan	Assistant Professor, Department of Economics (School of Liberal Education), Galgotias University Plot No. 2, Yamuna Expy. opposite Buddha International Circuit, Sector 17A, Greater Noida, Uttar Pradesh	India
Asha Sohni	Assistant Professor, Department of Computer Science and Engineering, K R Mangalam University, Sohna Road Gurgaon, Haryana-122103	India
Dr. Zia Zehra Zaidi	Assistant Professor, Department of Applied Science and Humanities (Seep), ABES Engineering College, 19th KM Stone, NH-09, Ghazabad-201009, Uttar Pradesh, India	India
Ashulekha Gupta	Professor, Department of Management Studies Graphic Era Deemed to be University, 566/66, Society Area, Bell Road, Clement Town, Dehradun, Uttarakhand, India	India
Ruchika Batlia	Assistant Professor (Grade-III), Amity Institute of Information Technology, Amity University Campus, Sector 125, Noida- 201313, Gautam Budh Nagar, Uttar Pradesh, India	India
Manoj Kumar	Assistant Professor (Sr. Scale), Mechanical Engineering Department, ABES Engineering College, 19th KM Stone, NH-09, Ghazabad-201009, Uttar Pradesh, India	India

Abstract

ARTIFICIAL INTELLIGENCE-DRIVEN SUPPLY CHAIN MANAGEMENT SYSTEM The invention relates to field of a supply chain management, and more specifically to an artificial intelligence-driven supply chain management system for the transportation industry. The system for supply chain management in the transportation industry, include database for storing data related to transportation providers, suppliers, and customers, an AI-based predictive analysis engine for forecasting demand, supply, and a communication module for facilitating communication between transportation providers, suppliers, and customers, a tracking module for monitoring and tracking transportation and inventory in real-time, a recommendation engine for suggesting optimal transportation routes, suppliers, and prices based on demand and supply. Dated this 17th day of March, 2023 PNOJA AGENT FOR THE APPLICANT IN/PA/1838

Complete Specification

Description: TECHNICAL FIELD
 [0001] The invention relates to field of a supply chain management, and more specifically to an artificial intelligence-driven supply chain management system for transportation industry.
BACKGROUND ART
 [0002] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.
 [0003] Supply chain management is a critical component of the transportation industry, ensuring that goods are transported efficiently and effectively from their origin to their destination. However, the transportation industry in India faces several challenges, including infrastructure limitations, regulatory issues, and a highly fragmented market.
 [0004] One of the key challenges facing supply chain management in the Indian transportation industry is the lack of visibility and control over the movement of goods. This can lead to delays, lost or damaged goods, and increased costs. Furthermore, the highly fragmented nature of the industry means that there is limited collaboration between different players in the supply chain, leading to inefficiencies and delays.
 [0005] To address these challenges, there is a need for an innovative and integrated supply chain management system that leverages the power of artificial intelligence (AI) to provide end-to-end visibility and control over the movement of goods. Such a system would enable transportation companies to optimize their operations, reduce costs, and improve customer satisfaction.

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Application Details

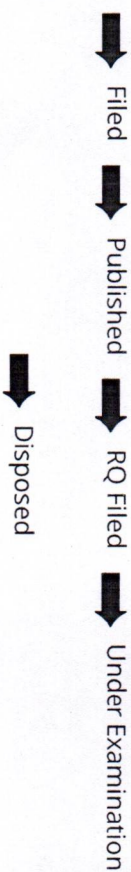
APPLICATION NUMBER	202341027807
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/04/2023
APPLICANT NAME	1. Dr.S.Vigneshwari 2. Dr.N.Pakutharivu 3. Dr. Reshmi Manna 4. Prof. (Dr.) Namita Rajput 5. Ankit Singh 6. Dr. Robin Thomas 7. Umesh Santoshkumar Rathod 8. Dr. Meena Sharma 9. Dr. Manoj Sharma 10. Ms. Vidhi Gaur
TITLE OF INVENTION	AN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING BASED SYSTEM FOR AUTOMATING ORGANIZATION EMPLOYEE MANAGEMENT AND WORK INFORMATION
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	vigneshwari161281@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	05/05/2023

Application Status


APPLICATION STATUS

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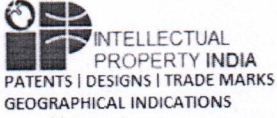
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Design Application Details

Application Number:

365181-001

Cbr Number:

202191

Cbr Date:

31/05/2022 20:04:19

Applicant Name:

1. CHITKARA UNIVERSITY (PUNJAB)
2. CHITKARA INNOVATION INCUBATOR FOUNDATION
3. AMIT MITTAL
4. ANSHIKA PRAKASH
5. MANJINDER SINGH
6. SURYA NARAYAN PANDA
7. RUCHI MITTAL

Design Application Status

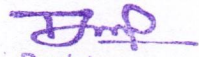
Application Status:

Design Accepted and Published, Journal No is 16/2023 and Journal Date is 21/04/2023

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Ministry of Commerce and Industry

Design Application Details

Application Number:

360490-001

Cbr Number:

214623

Cbr Date:

12/03/2022 08:09:42

Applicant Name:

1. Dr. Shirin Alavi 2. Nidhi Gupta 3. Dr. Neha Kamboj 4. Dr Gurbir Singh Khara
5. Dr. Priyanka Chadha 6. Dr Rajat Gera 7. Venkatesh Bharti

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 13/2023 and Journal Date is 31/03/2023

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Design Application Details

Application Number:

360490-001

Cbr Number:

214623

Cbr Date:

12/03/2022 08:09:42

Applicant Name:

1. Dr. Shirin Alavi 2. Nidhi Gupta 3. Dr. Neha Kamboj 4. Dr Gurbir Singh Khara
5. Dr. Priyanka Chadha 6. Dr Rajat Gera 7. Venkatesh Bharti

Design Application Status

Application Status:

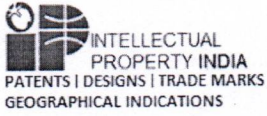
Design Accepted and Published, Journal No is 13/2023 and Journal Date is 31/03/2023

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Design Application Details

Application Number:

382277-001

Cbr Number:

203788

Cbr Date:

26/03/2023 14:53:22

Applicant Name:

1. Dr. Shilpa Jain 2. Dr. Charu Chhabra 3. Dr. Harsirjan Kaur
4. Dr. Mamta Shankar 5. Dr. Ishneet Kaur 6. Dr. Mohd Mazhar

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 30/2023 and Journal Date is 28/07/2023

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Patent Search

Invention Title	MONO AND POLYSACCHARIDE CAPSULE FOR TREATING SKIN IRRITATIONS	
Publication Number	11/2023	
Publication Date	17/03/2023	
Publication Type	INA	
Application Number	2023A1015479	
Application Filing Date	08/03/2023	
Priority Number		
Priority Country		
Priority Date		
Field Of Invention	BIO-CHEMISTRY	
Classification (IPC)	A61K 087300, A61K 450600, A61P 170000, A61P 170600, A61Q 190000	
Inventor		
Name	Address	Country
Dr. Baidur Daza Mohammad	Professor, Department of Pharmaceutical Chemistry, G R T Institute of Pharmaceutical Education and Research, GRT Mahalakshmi Nagar, Tiruvallur - 631209, Tamil Nadu	India
Mr. Ashish Anand	Associate Professor, Krishna College of Pharmacy, Rajgah, Mirzapur, Pin Code: 231210	India
Dr. Rahul S. Rasthe	Professor, Karmajyoti Tatyashah Bonde Institute of Pharmacy, Chikhi, Maharashtra, India	India
Mrs. Jyoti Rathi	Assistant Professor, Indira Gandhi University, Meerpur, Rewari, Haryana.	India
Dr. Snehi Lata	Assistant Professor, Indira Gandhi University, Meerpur, Rewari, Haryana.	India
Mr. Anush Kumar Yadav	Research Scholar All India Institute of Ayurveda, New Delhi	India
Mr. Ram Manohar	Associate Professor, Apex Institute of Pharmacy Samaspur Chunar, Mirzapur, Uttar Pradesh Pin Code: 231304	India
Mr. Rajan Chaudhary	Lecturer, Krishna College of Pharmacy, Rajgah, Mirzapur, Uttar Pradesh Pin Code: 231210	India
Mr. Mohit Bajpai	PG Scholar Lakshmi Narain College of Pharmacy, Indore, Madhya Pradesh, Pin Code - 452006	Afganistan
Dr. Mohd Mazhar	Assistant Professor, K R Mangalam University, Gurugram, Haryana, Pin Code: 122103	India
Mr. Uma Shanker Maurya	Assistant Professor, Goel Institute of Pharmacy and Sciences, Lucknow Pincode- 226028	India
Mr. Rajat	Associate Professor, Cum Research Scholar College of Pharmacy, Rimi University, Mandi Gobindgarh, Fatehgarh Sahib, Punjab Pincode: 147301	India

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Dr. Baidur Daza Mohammad	Professor, Department of Pharmaceutical Chemistry, G R T Institute of Pharmaceutical Education and Research, GRT Mahalakshmi Nagar, Tiruvallur - 631209, Tamil Nadu	India
Mr. Ashish Anand	Associate Professor, Krishna College of Pharmacy, Rajgah, Mirzapur, Pin Code: 231210	India
Dr. Rahul S. Rasthe	Professor, Karmajyoti Tatyashah Bonde Institute of Pharmacy, Chikhi, Maharashtra, India	India
Mrs. Jyoti Rathi	Assistant Professor, Indira Gandhi University, Meerpur, Rewari, Haryana.	India
Dr. Snehi Lata	Assistant Professor, Indira Gandhi University, Meerpur, Rewari, Haryana.	India
Mr. Anush Kumar	Research Scholar All India Institute of Ayurveda, New Delhi	India
Mr. Ram Manohar Yadav	Associate Professor, Apex Institute of Pharmacy Samaspur Chunar, Mirzapur, Uttar Pradesh Pin Code: 231304	India
Mr. Rajan Chaudhary	Lecturer, Krishna College of Pharmacy, Rajgah, Mirzapur, Uttar Pradesh Pin Code: 231210	India
Mr. Mohit Bajpai	PG Scholar Lakshmi Narain College of Pharmacy, Indore, Madhya Pradesh, Pin Code - 452006	India
Dr. Mohd Mazhar	Assistant Professor, K R Mangalam University, Gurugram, Haryana, Pin Code: 122103	India
Mr. Uma Shanker Maurya	Assistant Professor, Goel Institute of Pharmacy and Sciences, Lucknow Pincode- 226028	India
Mr. Rajat	Associate Professor, Cum Research Scholar College of Pharmacy, Rimi University, Mandi Gobindgarh, Fatehgarh Sahib, Punjab Pincode: 147301	India

Abstract:

MONO AND POLYSACCHARIDE CAPSULE FOR TREATING SKIN IRRITATIONS The chemical exfoliant is a compound selected from the group consisting of fruit acids, lactic acid, glycolic acid, tartaric acid, salicylic acid, ascorbic acid, trichloroacetic acid, retinoic acid, resorcinol, or combinations thereof. Schizophyllum commune beta-glucan, mushroom beta-glucan, sclerotium rolfsii beta-glucan, graptolite beta-glucan, Pleurotus ostreatus polysaccharide, mushroom beta-glucan, yeast beta-glucan, consisting of potassium channel forming, controlling or blocking agents, calcium channel blocking agents, steroids, non-steroidal anti-inflammatory agents, aloes vera, chamomile, alpha-methyl-beta, cold mint extract, green tea extract, tea tree oil, licorice extract, allantoin, urea, caffeine, and other xar glycyrrhizic acid and its derivatives in. An immunogenic composition comprising a polysaccharide-carrier protein conjugate, wherein the conjugate is a capsular polysaccharide derived from group B streptococcal. Ethyl alcohol is added in trapped fluid obtained by stord to get the Beilite polysaccharide crystal.

Complete Specification

Description: MONO AND POLYSACCHARIDE CAPSULE FOR TREATING SKIN IRRITATIONS

BACKGROUND

Technical Field
 [0001]. The embodiments herein generally relate to a mono and polysaccharide capsule for treating skin irritations.
 Description of the Related Art
 [0002]. With the development of society, people are more and more interested in the external image of the people, and the health condition of the skin directly in the confidence of the people. Especially, in women during pregnancy, elastic fibers and collagen fibers of the abdominal skin are damaged or broken due to rapid enlargement of the abdomen, and finally a stretch mark is irreversibly formed. The incidence of striae gravidarum is quite high, and statistically pregnant women suffer from striae gravidarum. Although not directly influencing normal life, beauty is seriously influenced. At present, the treatment methods of striae gravidarum mainly comprise external treatment, physical acousto-optic treatment, acupuncture treatment, and the like. Generally, externally applied medicine has a tiny effect. Physical acousto-optic acupuncture treatments have certain destructive and adverse reactions, the price is high, professional personnel and equipment are required for operation, care must be taken after the operation, and the treatment mode is inconvenient.
 [0003]. The traditional medicine Gaochuan has been used for a long time in China to prevent and treat various human diseases such as bronchitis, hepatitis, hypertension, tumor, rheumatism, and immunological diseases, and is an important in skin creams. Ancient Chinese medical classics recommend that Gaochuan

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Application Details

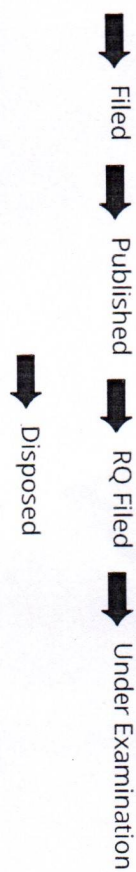
APPLICATION NUMBER	202311008605
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	10/02/2023
APPLICANT NAME	Chandni Aggarwal
TITLE OF INVENTION	METHOD FOR PROTECTIVE CLOTHING IN OIL AND GAS INDUSTRY
FIELD OF INVENTION	TEXTILE
E-MAIL (As Per Record)	poorja@innoveintellects.com
ADDITIONAL-E-MAIL (As Per Record)	pujakr@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	17/02/2023

APPLICATION STATUS

Application Status

Awaiting Request for Examination

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Patent Search

Method for Performance of Crowdsourcing with Donations to Support Micro-Finance for Women

Publication Number 07/2023
 Publication Date 17/02/2023

Publication Type INA

Application Number 202311009602

Application Filing Date 10/02/2023

Priority Number

Priority Country

Priority Date

Field Of Invention CHEMICAL

Classification (IPC) A61P0003.100000, C12N0015100000, H04W0004020000, A61P0007000000, G01N0033500000

Inventor

Name	Address	Country
Dr. Megha Garg	Assistant Professor, School of Legal Studies, KR Mangalam University, Sohna Road, Gurgaon, Haryana, India	India
Dr. Shobhna Jeet	Associate Professor, School of Legal Studies, KR Mangalam University, Sohna Road, Gurgaon, Haryana, India	India
Dr. Indrepreet Kaur	Associate Professor, School of Legal Studies, KR Mangalam University, Sohna Road, Gurgaon, Haryana, India	India
Dr. Neha Singh	Assistant Professor, School of Legal Studies, KR Mangalam University, Sohna Road, Gurgaon, Haryana, India	India
Ms. Nishi	Assistant Professor, School of Law, Manav Rachna University, Faridabad, Haryana, India	India
Mr. Aditya Mishra	Research Scholar, Rajiv Gandhi National Law University, Patiala, Punjab, India	India

Applicant

Name	Address	Country
Dr. Megha Garg	Assistant Professor, School of Legal Studies, KR Mangalam University, Sohna Road, Gurgaon, Haryana, India	India
Dr. Shobhna Jeet	Associate Professor, School of Legal Studies, KR Mangalam University, Sohna Road, Gurgaon, Haryana, India	India
Dr. Indrepreet Kaur	Associate Professor, School of Legal Studies, KR Mangalam University, Sohna Road, Gurgaon, Haryana, India	India
Dr. Neha Singh	Assistant Professor, School of Legal Studies, KR Mangalam University, Sohna Road, Gurgaon, Haryana, India	India
Ms. Nishi	Assistant Professor, School of Law, Manav Rachna University, Faridabad, Haryana, India	India
Mr. Aditya Mishra	Research Scholar, Rajiv Gandhi National Law University, Patiala, Punjab, India	India

Abstract:

Accordingly, embodiments herein disclose method for performance of crowdsourcing with donations to support micro-finance for women, comprising the steps of: (i) committees, creating networking with a donor, and creating networking with Anganwadis, such as child care and mother care centres. Furthermore, the present method involve identifying and selecting needy women by the head of Anganwadis, and distributing the funds to beneficiaries. Further, the assessment of the projects for the beneficiaries is provided.

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Complete Specification

FIELD OF INVENTION

[0001] The present disclosure relates to method for performance of crowdsourcing with donations to support micro-finance for women.

BACKGROUND OF INVENTION

[0002] Crowdfunding is a relatively recent phenomenon whereby a large number of individuals pool their often relatively small financial resources to support efforts or campaigns initiated by other people. The process of several individuals pooling their financial resources happens via an internet-based online "Crowd-Fu platform" (CFP).

[0003] Crowdsourcing systems typically include a mechanism for the crowdsourcer to provide details describing the tasks and any other condition or constraint: for example, deadlines, non-disclosure agreements, rewards and/or other requirements. Crowdsourced tasks may be performed by anyone in the community including individuals, contractors, formal organizations, consultants and the like. Tasks/questions can be related to product design, business plan, advertising or marketing, or any other organizational function. In this way, a crowdsourcing system encourages collaboration, competition, and innovation within the community.

[0004] Over the last few years new crowdsourcing platforms have emerged and proliferated. Crowdsourcing has grown from an initial focus on a few very narrow specific projects or tasks to its current state where a broad diversity of crowdsourcing specialists for almost any organizational function required by an entity may be available through various communities. Crowdsourcing functions currently range from, for example, ideation to product development to marketing and beyond to a wide range of other functions.

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Application Number:

359405-001

Cbr Number:

213943

Cbr Date:

25/02/2022 18:59:00

Applicant Name:

1. Dr. Neha Kamboj 2. Dr. Ranu Kumar 3. Ms. Mamta Sharma 4. Dr Rajat Gera
5. Venkatesh Bharti

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 06/2023 and Journal Date is 10/02/2023

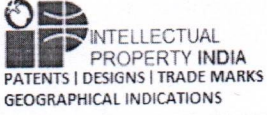
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Design Application Details

Application Number:

374875-001

Cbr Number:

209133

Cbr Date:

30/11/2022 11:21:00

Applicant Name:

- | | | |
|----------------------|--------------------------|------------------|
| 1. Mr. Balwan Singh | 2. Dr. Noopur Srivastava | 3. Dr. Rishi Pal |
| 4. Dr. Vandana Gupta | 5. Dr. Prashant Kumar | |

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 04/2023 and Journal Date is 27/01/2023

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Application Details

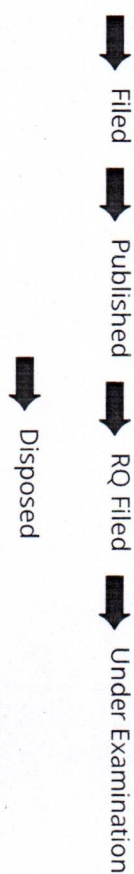
APPLICATION NUMBER	202311003137
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/01/2023
APPLICANT NAME	1. Dr. Vinod Kumar 2. Prof. Jyoti Sinha 3. Dr. Ravi Kant 4. Dr. Pankaj Gupta 5. Dr. Md Jahangir Alam 6. Ms. Dolly Rani
TITLE OF INVENTION	AN IOT- BASED SYSTEM FOR CHECKING QUALITY OF FOOD AND VEGETABLES
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	info@lexgin.com
ADDITIONAL-E-MAIL (As Per Record)	chandra.amrisha@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	20/01/2023

Application Status

APPLICATION STATUS

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Patent Search

Invention Title	A PROCESS FOR SELECTIVE C-3 THIAZOLYLATION OF INDOLES		
Publication Number	07/2023		
Publication Date	17/02/2023		
Publication Type	INA		
Application Number	202311003523		
Application Filing Date	18/01/2023		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	ELECTRONICS		
Classification (IPC)	H01L0029100000, H01L0029600000, B33Y0010000000, H01L0029660000, H01L0021306500		
Inventor			

Name	Address	Country
Dr. Lara Vohwal	Assistant Professor, Department of Chemistry, Materiy College, University of Delhi, Delhi 110021, India	India
Dr. Arti Jain	Assistant Professor, Department of Chemistry, Daulat Ram College, University of Delhi, Delhi 110007, India	India
Dr. Chandra Mohan	Assistant Professor, School of Basic & Applied Sciences, K R Mangalam University, Gurgaon, 122103, Haryana, India	India

Applicant

Name	Address	Country
Dr. Lara Vohwal	Assistant Professor, Department of Chemistry, Materiy College, University of Delhi, Delhi 110021, India	India
Dr. Arti Jain	Assistant Professor, Department of Chemistry, Daulat Ram College, University of Delhi, Delhi 110007, India	India
Dr. Chandra Mohan	Assistant Professor, School of Basic & Applied Sciences, K R Mangalam University, Gurgaon, 122103, Haryana, India	India

Abstract
 The present invention relates to a process for selective C-3 thiazoloylation of indoles. Particularly, the present invention relates to a process for selective C-3 thiazoloylation of indoles and anomalous behavior of thiazoles.

Complete Specification

FIELD OF INVENTION

[0001] The present invention relates to a process for selective C-3 thiazoloylation of indoles. Particularly, the present invention relates to a process for selective C-3 thiazoloylation of indoles and anomalous behavior of thiazoles.

BACKGROUND OF THE INVENTION


[0002] 3-hydroxy disubstituted indole motifs are considered as important and useful synthetic intermediates for biologically active compounds such as convulsants, A.E. 3-hydroxydisubstituted, SM 130686, and TMC 95C. (Fig. 1)
 [0003] The reaction of aldehydes, ketones and primary amines are generally stright forward and give the expected imines.
 [0004] Additionally, the heterocycles comprising sulfur such as thiazoles, present in various natural products and also used in drug development for the treatment of allergies, hypertension, inflammation, schizophrenia, bacterial, HIV infections, and hypnosis. The approach of synthesising biologically important compounds is by the combination of diversified substructures.
 [0005] Therefore, there is a need to develop an effective process for the preparation of selective C-3 thiazoloylation of indoles.

[0006] Given the above, there arises a need to develop a synthesis of a novel series of heterocycles that comprises thiazole and 2,3-dioxindole moieties in a single framework of 3-hydroxy disubstituted indole through C-3 bond formation

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Application Details

APPLICATION NUMBER	202341003009
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/01/2023
APPLICANT NAME	1. Dr. BHAVANI SUSHMA GARLAPATI 2. Dr. PANDI SARATH CHANDRA 3. IPSITA NAYAK 4. Dr. BHAGYALAKSHMI.A 5. Dr. K.BALRAJ 6. Dr. SYED HAUIDER ABBAS 7. VIDHI GAUR 8. SUJA G P 9. Dr. K. USHA RANI 10. Dr.R.MEKALA 11. KALAIWANI S 12. Dr VIJAY KUMAR SALVIA
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED AUTOMATIC TEXT ADAPTATION DEVICE TO ASSIST LANGUAGE LEARNERS IN UNDERSTANDING CONTENT INFORMATIVE TEACHING STRATEGIES BASED ON DEEP LEARNING
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	sgowtham12@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	sgowtham12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	..
REQUEST FOR EXAMINATION DATE	..
PUBLICATION DATE (U/S 11A)	24/02/2023

Application Status

APPLICATION STATUS

Awaiting Request for Examination

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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination

➡ Disposed

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Patent Search

Invention Title	SYNTHESIS OF ALPHA-INDOLYL BETA-SUBSTITUED ACRYLATE DERIVATIVE		
Publication Number	01/2023		
Publication Date	06/01/2023		
Publication Type	INA		
Application Number	202311076202		
Application Filing Date	28/12/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	CHEMICAL		
Classification (IPC)	C07C2354/0000, C07C2357/00000, C07D209866000, C09N0011060000, C07D0487140000		
Inventor			
Name	Address	Country	
DR. NIRAJAN KAUSHIK	Professor, School of Medical and Allied Sciences, Galgotias University, Greater Noida	India	
DR. MANOJ M. GAOBWAR	Dept. of Pharmacology, School of Medical and Allied Sciences, K. R. Mangalam University, Gurgaon	India	
SHIV PRAKASH PANDEY	Assistant Professor, Kamia Nehru Institute of technology and management, Faculty of Pharmacy, Sultanpur UP- 228119	India	
DR. AARTI BELGAMWAR	SVKM College of Pharmacy, Dhule	India	
PREETI	Ph.D Scholar, Shri Venkateshwara University, Gajjala	India	
DR. MOHAMMED ALBARTY	Associate Professor, Department of Pharmaceutical Chemistry & Pharmacognosy, College of Pharmacy, Jazan University, P. Box No. 114, Jazan, Saudi Arabia	Saudi Arabia	
DR. ASIM NAJMI	Assistant Professor, Department of Pharmaceutical Chemistry & Pharmacognosy, College of Pharmacy, Jazan University, P. Box No. 114, Jazan, Saudi Arabia	Saudi Arabia	
MARVAM A HALAMI	Lecturer, 1. Pharmacy Practice, College of Pharmacy, Jazan university, Jazan, Saudi Arabia 2. Department of Haematology, Division of Cancer & Genetics School of medicine, Cardiff University, Cardiff, CF14 4XN Wales, UK	Saudi Arabia	
DR. MD SHAMSHER ALAM	Assistant Professor, Department of Pharmaceutical Chemistry & Pharmacognosy, College of Pharmacy, Jazan University, P. Box No. 114, Jazan, Saudi Arabia	Saudi Arabia	
DR. HAFIZ A. MAKEEN	Associate Professor, Department of clinical Pharmacy, College of Pharmacy, Jazan University, P. Box No. 114, Jazan, Saudi Arabia	Saudi Arabia	
Applicant			

Name	Address	Country
DR. NIRAJAN KAUSHIK	Professor, School of Medical and Allied Sciences, Galgotias University, Greater Noida	India
DR. MANOJ M. GAOBWAR	Dept. of Pharmacology, School of Medical and Allied Sciences, K. R. Mangalam University, Gurgaon	India
SHIV PRAKASH PANDEY	Assistant Professor, Kamia Nehru Institute of Technology and Management, Faculty of Pharmacy, Sultanpur UP- 228119	India
DR. AARTI BELGAMWAR	SVKM College of Pharmacy, Dhule	India
PREETI	Ph.D Scholar, Shri Venkateswara University, Gajjala	India
DR. MOHAMMED ALBARTY	Associate Professor, Department of Pharmaceutical Chemistry & Pharmacognosy, College of Pharmacy, Jazan University, P. Box No. 114, Jazan, Saudi Arabia	Saudi Arabia
DR. ASIM NAJMI	Assistant Professor, Department of Pharmaceutical Chemistry & Pharmacognosy, College of Pharmacy, Jazan University, P. Box No. 114, Jazan, Saudi Arabia	Saudi Arabia
MARVAM A HALAMI	Lecturer, 1. Pharmacy Practice, College of Pharmacy, Jazan University, Jazan, Saudi Arabia 2. Department of Haematology, Division of Cancer & Genetics School of Medicine, Cardiff University, Cardiff, CF14 4XN Wales, UK	Saudi Arabia
DR. MD SHAMSHER ALAM	Assistant Professor, Department of Pharmaceutical Chemistry & Pharmacognosy, College of Pharmacy, Jazan University, P. Box No. 114, Jazan, Saudi Arabia	Saudi Arabia
DR. HAFIZ A. MAKEEN	Associate Professor, Department of Clinical Pharmacy, College of Pharmacy, Jazan University, P. Box No. 114, Jazan, Saudi Arabia	Saudi Arabia

ABSTRACT:

The invention relates to a synthesis of alpha-indolyl beta-substituted acrylate derivative. The synthesis includes steps of treating methyl 2,3 (formyl-1H-indole-2-yl) acet aldehyde, followed by condensation reaction in the presence of organo-catalyst for a predetermined time to obtain E-(methyl-1H-indol-2-yl)-beta-arylalk substituted acrylates (101), converting the obtained E-(methyl-1H-indol-2-yl)-beta-arylalk substituted acrylates into carbamate derivative using 2 nitro through a predetermined reaction (102), oxidation (103) of the carbamate derivative obtained through the predetermined reaction, wherein the oxidation is done using DIBAL reagent, to beta-arylthio aryl substituted acrylates to facilitate reaction with nitro compound in the medium at room temperature. The facile reaction is done using DIBAL reagent yielding 1-methoxycarbonyl-2-arylalkyl-3-nitro-5H-carbazole (104), reacting ammonium acetate with E-(methyl-1H-indol-2-yl)-beta-arylalk substituted acrylates at room temperature to obtain substituted methyl 2-arylalkyl-5H-pyridole-3-ylindole-4-carboxylates (105), subjecting said E-(methyl-1H-indol-2-yl)-beta-arylalk substituted acrylates via Bohl protection of NH and OH groups followed by aldehyde to carboxylic acid using pinic oxidation reaction (106).

Complete Specification

FIELD OF THE INVENTION

[0001] The present invention in general relates to the field of organic and biomolecular chemistry. More particularly relates to a method for synthesizing C-3 substituted alpha-indolyl beta-substituted acrylate derivative by treating methyl 2,3 (formyl-1H-indole-2-yl) acetate with enolizable and non-enolizable aldehydes using potent functional (acid-base) organo-catalyst as a catalyst under nitrogen atmosphere at room temperature.

BACKGROUND OF THE INVENTION

[0002] Heterocyclic compounds have a significant role in the synthesis of organic and/or pharmaceutical chemicals and are widely used in the fields of polymer, agriculture, medicine, and numerous other sectors. By utilizing a variety of functional groups and forming many carbon-carbon and carbon-heteroatom connection component reactions (MCRs) are the primary method used to generate diverse heterocyclic derivatives with distinct characteristics. MCRs have received a lot of attention over the past few years because of their simple method, ability to create a high yield, and attributable. Pharmacologically compounds include indoles, imidazoles, it pyrazoles, quinolones, and pyridine derivatives have garnered interest because of their wide range of functions, including their antimicrobial, pharmacologic, fungicidal, and anti-tumor, anti-inflammatory, antiviral, antibiotic medicines, and anticancer properties. Avelum, 3-substituted indole derivative, is now utilized as a influenza preventative. Indole-3-carbinol has been shown to have effect against human prostate cancer cells by Hien T. Le and colleagues and few indole derivative an antioxidant agent by trapping free radicals and helps in minimizing the risk of cancer and cardiovascular diseases.

[0003] Several fabrication methods are developed and widely modular in the market for synthesizing methyl free based indole derivative using one and multi enzyme.

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Page last updated on: 26/06/2019



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Design Application Details

Application Number:

358311-001

Cbr Number:

213209

Cbr Date:

10/02/2022 14:19:12

Applicant Name:

1. Dr Rajat Gera 2. Dr. Priyanka Chadha 3. Dr Alok Kumar
4. Dr.Yogendra Kumar Awasthi 5. Venkatesh Bharti

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 02/2023 and Journal Date is 13/01/2023

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Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

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Application Details

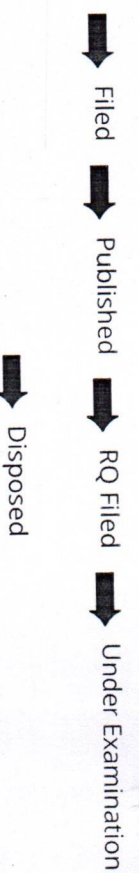
APPLICATION NUMBER	202211072102
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	14/12/2022
APPLICANT NAME	K.R. Mangalam University
TITLE OF INVENTION	A METHOD FOR ANALYZING IMPACT OF DIGITAL CULTURE ON EDUCATION
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	pooja@innoveintellects.com
ADDITIONAL-E-MAIL (As Per Record)	pujakr@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	30/12/2022

APPLICATION STATUS

Application Status

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Patent Search

Invention Title "ABNORMALITY DETECTION AND SAFETY MONITORING SYSTEM"

Publication Number 52/2022

Publication Date 30/12/2022

Publication Type INA

Application Number 202211069712

Application Filing Date 02/12/2022

Priority Number

Priority Country

Priority Date

Field Of Invention

Classification (IPC)

Inventor

Name

Prof. (Dr.) Neeraj

Khatti

Address

India 122103

Applicant

Name

K.R. Mangalam University

Address

Badliapour, Sohna Road, Gurugram, Haryana, India 122103

Country

India

Na

Inc

Abstract

The present invention relates to a surveillance system, and more specifically, to a trainable abnormality detection and surveillance systems which detect and respond to specific abnormal video and audio input signals.

BACKGROUND ART

[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[0002] Mobile computing devices have gradually become a ubiquitous part of daily life. Traditionally, a mobile computing device such as a smartphone may be carried on a person's person, a purse, a briefcase, a backpack, a messenger bag, etc. In other situations, the mobile computing device may be located nearby a person, such as in a car, in nearly all of these instances, users of smartphones and tablets have access to a portable device that is capable of communicating with others, etc. of executing applications, and capable of sending and receiving information to other devices.

[0003] While mobile computing devices provide users the ability to communicate with others and reach out for help in the event of an emergency, it may be difficult impossible to efficiently and accurately provide critical information to an emergency dispatch center when time is of the essence.

[0004] Remote security monitoring systems in which a video camera is trained on a subject or area of concern and observed by a trained observer are known in the art. Also, infant or child monitors that transmit audio to a portable receiver are available in the market. These devices, however, require constant attention in order to provide information to the subject or area of concern, such as an elderly person, infant or child.

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Patent Search

Invention Title	CLASSROOM PARTICIPATION DETECTION DEVICE		
Publication Number	51/2022		
Publication Date	23/12/2022		
Publication Type	INA		
Application Number	202211071433		
Application Filing Date	11/12/2022		
Priority Number			
Priority Country			
Field Of Invention	PHYSICS		
Classification (IPC)	G09B0005060000, E05B0063080000, E05B0013100000, G01B0005252000, A47B0039060000		
Inventor			
Name	Address	Country	
Dr. Shweta Mongia	Associate Professor Department of Computer Science and Engineering Faculty of Engineering and Technology, Manav Rachna International Institute of Research and Studies Sector 43, Faridabad, Haryana.	India	
Mr. Vinas Chaudhary	Estate Officer, Government of Haryana, Faridabad	India	
Dr. Yogita Sharma	Associate Professor Manav Rachna University	India	
Ms. Khushboo Gidlati	Assistant Professor School of Management & Commerce Manav Rachna University	India	
Dr. Ashima Saxena	Assistant Professor senior scale School of Management and Liberal Studies Northcap University Near Rohtay Public School Cantarpuri Alias, Huda, Sector 23A, Gurugram, Haryana 12017	India	
Adarsh Pratap Singh	E-188 SAI Apartment First Floor Gali Number-11 Rajapuri Main Road Utran Nagar, New Delhi, Delhi - 110059	India	
Anshul	Village nanakheri new delhi - 110071	India	
Dr. Meenakshi Gajral	Associate Professor, K R Mangalam University, Gurugram	India	
Dr. Rajat Gera	K R Mangalam University, Gurugram Sohna Road, Gurugram, Haryana	India	
Applicant			

Name	Address	Country
Dr. Shweta Mongia	Associate Professor Department of Computer Science and Engineering Faculty of Engineering and Technology Manav Rachna International Institute of Research and Studies Sector 43, Faridabad, Haryana.	India
Mr. Vinas Chaudhary	Estate Officer, Government of Haryana, Faridabad	India
Dr. Yogita Sharma	Associate Professor Manav Rachna University	India
Ms. Khushboo Gidlati	Assistant Professor School of Management & Commerce Manav Rachna University	India
Dr. Ashima Saxena	Assistant Professor senior scale School of Management and Liberal Studies Northcap University Near Rohtay Public School Cantarpuri Alias, Huda, Sector 23A, Gurugram, Haryana 12017	India
Adarsh Pratap Singh	E-188 SAI Apartment First Floor Gali Number-11 Rajapuri Main Road Utran Nagar, New Delhi, Delhi - 110059	India
Anshul	Village nanakheri new delhi - 110071	India
Dr. Meenakshi Gajral	Associate Professor, K R Mangalam University, Gurugram	India
Dr. Rajat Gera	K R Mangalam University, Gurugram Sohna Road, Gurugram, Haryana	India

Abstract:

The present invention relates to a classroom participation detection device. Particularly, the present invention relates to a device which is installed in a classroom for classroom participation.

Complete Specification

FIELD OF INVENTION:
 The present invention relates to a classroom participation detection device. Particularly, the present invention relates to a device which is installed in a classroom for detecting the classroom participation.

BACKGROUND OF THE INVENTION:
 In a classroom setting, while the teaching/learning process is going on, it is obvious that certain students remain active throughout while others show lesser indulgence in a classroom setting, identifying those students who are hyperactive and those who are hypoactive is essential since it helps with planning the required strategies for the teacher, identifying those students who are hyperactive and those who are hypoactive is essential since it helps with planning the required strategies for the teacher. The existing identification methods are specifically based on the teacher where she, by the parameters set by herself, identifies the students who remain active and concentrate less in the classroom.
 In view of the above, there arises a need to develop an improved device which eliminates the problems associated with earlier methods in determining the activity of students in the class. The present invention provides a fast, easy, and efficient, low-cost device to help the teachers to collect the data related to the activity of students (behaviour analysis) and their engagement in different subjects.

OBJECTIVE OF THE INVENTION:

The objective of the present invention is to provide a device for classroom participation detection.

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Application Details

APPLICATION NUMBER 202211069907
APPLICATION TYPE ORDINARY APPLICATION
DATE OF FILING 04/12/2022
APPLICANT NAME

1. Dr. Tabassum Ara
2. Dr Bhagavant.K.Deshpande
3. Dr. Chandramouli H
4. Neha Gupta
5. Umang Garg
6. Dr Swati Gupta

TITLE OF INVENTION AIR QUALITY PREDICTION BASED BIG DATA ANALYTICS AND DEEP LEARNING

FIELD OF INVENTION

COMPUTER SCIENCE

E-MAIL (As Per Record)

neha.judger99@gmail.com

ADDITIONAL-E-MAIL (As Per Record)

neha.judger99@gmail.com

E-MAIL (UPDATED Online)

PRIORITY DATE

REQUEST FOR EXAMINATION DATE

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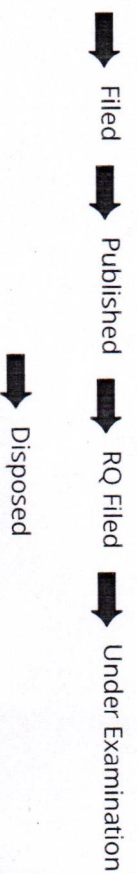
16/12/2022

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Application Status

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Application Details

APPLICATION NUMBER	202311048434
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	19/07/2023
APPLICANT NAME	1. Dr Pooja Verma 2. Dr P. C. Jena 3. Dr Shabia Subuhi 4. Dr Binit Dua 5. Mr. Osama Qamar 6. Dr Harveen Kaur
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED CONCEPTS FOR DEVELOPING ENGLISH LANGUAGE TEACHING OR LEARNING SKILLS
FIELD OF INVENTION	ELECTRONICS
E-MAIL (As Per Record)	info@lexgin.com
ADDITIONAL E-MAIL (As Per Record)	info@lexgin.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/08/2023

Application Status

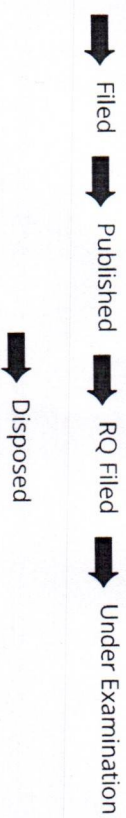
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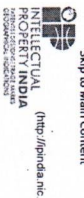
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Patent Search

Invention Title "METHOD OF HUMAN RESOURCE MANAGEMENT FOR EMPLOYEE RETENTION"

Publication Number 50/2022

Publication Date 16/12/2022

Publication Type IMA

Application Number 20221071312

Application Filing Date 10/12/2022

Priority Number

Priority Country

Priority Date

Field of Invention COMPUTER SCIENCE

Classification (IPC) G06Q010100000, G06Q010060000, H04L001246000, G06Q050260000, G07C005000000

Inventor

Name

Prof. (Dr.) Rajiv Mishra

Address

Ankita Sahasra Sharma

Dr. Swati Sharma

Rohit Jaswal

Sunil Kumar

Ashu Bhattacharya

Ms Manju Kundu

Prof. Dr Soman Roy

Choudhury

Applicant

Name

Prof. (Dr.) Rajiv Mishra

Address

Ankita Sahasra Sharma

Dr. Swati Sharma

Rohit Jaswal

Sunil Kumar

Ashu Bhattacharya

Ms Manju Kundu

Prof. Dr Soman Roy

Choudhury

Abstract:

The invention relates to the field of human resource management, and more specifically to a method for improving retention of employees. The method of human resource management for employee retention includes inputting employee well-being program data, receiving as input, by an engagement analysis computing device and via a interface, engagement data and critically data for at least one employee, monitoring changes in employee employment status data, analyzing the correlation between program data and changes in employee employment status data using an extreme gradient boosting prediction model, mapping the engagement analysis on computer generating the engagement analysis using computing device, and notifying over a computer network to at least one other employee based on the mapping.

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Complete Specification

TECHNICAL FIELD [0001] The invention relates to the field of human resource management, and more specifically to a method for improving retention of employees.

BACKGROUND ART [0002] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the present invention, or that any publication specifically or implicitly referenced is prior art.

[0003] Employee retention can simply be defined as the strategies put in place by an organization to retain its employees and reduce turnover. Employee retention is represented by a simple statistic (for example, a retention rate of 80% usually indicates that an organization kept 80% of its employees in a given period). The retention rate is the inverse of the rate of employee turnover and expectedly if a relatively high number of employees stayed at post within a specified period, then the retention rate is high and the turnover rate is low i.e., (Retention rate = 1/turnover rate). Retaining employees is an important goal of every organization. It helps reduce wastage in terms of the time, effort and money spent in hiring and training new employees and integrating them into the organization.

[0004] Employee engagement has become the most sought-after concept of any business environment. The idea of employee engagement is derived from the concept that a company wants to create a mutually-beneficial long-term relationship with employees and by extension, customers, such that commitment, loyalty, and profit can soar. As is often the case, an employer cannot manage it if the employee does not measure it.

[0005] Conventional methods for measuring employee engagement usually include conducting employee sentiment surveys. There can be large delays between the survey distribution and the survey response, and the results often the amount of effort required to analyze the collected data, and interpret the results.

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Application Details

APPLICATION NUMBER	202211066143
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/11/2022
APPLICANT NAME	1. Dr. R. SANJEEVI 2. Dr. P. SANDHYA 3. Dr. ANSHUL SALUJA 4. Dr. RANJITSINH SUBHASH PAWAR 5. ANIRUDH JOSHI K 6. Dr. SUMALATHA PHIRANGI 7. Dr SANJAY KUMAR PANDEY 8. Mr. PRASHANTKUMAR BHARATBHAI SATHVARA 9. Mrs.VINEETHA VARGHESE 10. Dr.ASASI KUMAR 11. LONGJAM OLYMPIA DEVI 12. Prof.(Dr.) ABHISHEK SWAMI
TITLE OF INVENTION	MACHINE LEARNING BASED APPROACH TO STUDY THE ECOLOGICAL FACTORS AND ITS IMPACT IN MANAGING AIR POLLUTION
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	sgowthami12@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	sgowthami12@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	09/12/2022

Application Status

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APPLICATION STATUS

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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination

➡ Disposed

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Patent Search

Invention Title	A SYSTEM AND METHOD FOR HUMAN RESOURCE MANAGEMENT USING INTERNET OF THINGS (IOT)		
Publication Number	48/2022		
Publication Date	02/12/2022		
Publication Type	INIA		
Application Number	202211068161		
Application Filing Date	26/11/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	BIO-MEDICAL ENGINEERING		
Classification (IPC)	A61B0005020500, A61B0005110000, A61B0005160000, H04L0067109700, A61B0005024000		
Inventor			
Name	Address	Country	
Dr. Seema Gangthas	Associate Professor Department of Management Galgotias University, Greater Noida(U.P.) Pin-203201	India	
Dr. Monika Yadav	Assistant Professor, K.R. Mangalam University, Sector-7, Sohna Road, Gurugram- 122001	India	
Ms. Indira Priyadarshani Pradhan	Assistant Professor, Institute of Management Studies Ghaziabad (University Courses Campus), National Highway-09, Adityanik Nagar, Ghaziabad, Uttar Pradesh-201015	India	
Dr. Sonja Rathne	Assistant Professor Faculty of commerce and management SGT University, Gurgaon-Badli Road Chandu, Budhera, Gurugram Pin-122505	India	
Dr. Chandani Ganguly	Associate Professor Department of Management Galgotias University, Greater Noida(U.P.) Pin-203201	India	
Ms. Isha Srivastava	Assistant Professor Department of Management Galgotias University, Greater Noida(U.P.) Pin-203201	India	
Applicant			
Name	Address	Country	
Dr. Seema Gangthas	Associate Professor Department of Management Galgotias University, Greater Noida(U.P.) Pin-203201	India	
Dr. Monika Yadav	Assistant Professor, K.R. Mangalam University, Sector-7, Sohna Road, Gurugram- 122001	India	
Ms. Indira Priyadarshani Pradhan	Assistant Professor, Institute of Management Studies Ghaziabad (University Courses Campus), National Highway-09, Adityanik Nagar, Ghaziabad, Uttar Pradesh-201015	India	
Dr. Sonja Rathne	Assistant Professor Faculty of commerce and management SGT University, Gurgaon-Badli Road Chandu, Budhera, Gurugram Pin-122505	India	
Dr. Chandani Ganguly	Associate Professor Department of Management Galgotias University, Greater Noida(U.P.) Pin-203201	India	
Ms. Isha Srivastava	Assistant Professor Department of Management Galgotias University, Greater Noida(U.P.) Pin-203201	India	

Abstract:

In the present aspect of the invention, for a system and method for human resource management using IoT, the system (100) comprises of a plurality of biometric adapted to identify a individual (201) at a predefined location which is connected to controller (102). A controller (102) connected to a memory unit (103) where prede processing condition are pre-stored with the individuals (201), a data analyzing module (104) that compares the identified individual (201) with the prestored data, a F module (105) connected to controller (102) that checks out the individual (201) with and saves the data to cloud storage (106) for predefined time, an output module accessing data stored in the cloud storage, wherein the processing module (105) connected to controller (102) sends an alert on the electronic device as output mod, an authorized user to confirm the individuals based (201) on processed data.

Complete Specification

TECHNICAL FIELD
 [0001] The present disclosure generally relates to garbage disposal and management. More specifically, the present disclosure relates to a system for garbage identification and classification using sensor based cloud technique.

BACKGROUND
 [0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.
 [0002] Sustainable development in every possible dimension whether it is health, finance, refuge and spirit, is demand of everyone. Of all the required possessor one which we are concern about in our work is health. If any individual will be ask to answer what is the root cause of unhygienic environment in our country India, most of us will end up with the answer of having improper waste management system. Waste management system can be defined as process which undertakes the activities of collecting, transporting, disposing and recycling of waste. The process is managed and capitalized by government entities, for this certain policies are de as well. The policies contain the specifications which mention the management of waste should be performed in hygienic way.
 [0003] The commonly found scenario everyone is complaining against the waste mismanagement, but also they are the generator of it as well. In respect to land I almost all individuals mostly show the reluctant behavior. The end result is more incinerators and polluted environment. Among all the major findings, the main pol material which is made of plastic whether it is form of tin bags or any such. The negative point having the plastic is that it is non-renewable resource used widely a around the globe. The environment incised because all the plastic in forest is presence of former suitable solid waste management

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Application Details

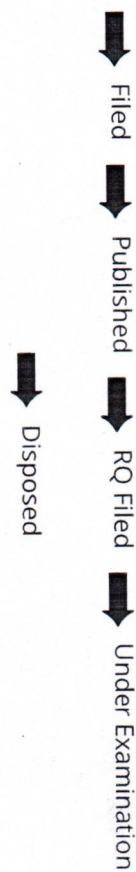
APPLICATION NUMBER	202211065333
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	15/11/2022
APPLICANT NAME	K.R. Mangalam University
TITLE OF INVENTION	SYSTEM FOR EVALUATING STUDENTS PARTICIPATION IN CLASSROOM USING ARTIFICIAL INTELLIGENCE
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	pooja@innovintellects.com
ADDITIONAL-E-MAIL (As Per Record)	pujakt@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	25/11/2022

APPLICATION STATUS

Application Status

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Patent Search

Publication Title METHOD AND SYSTEM FOR DIAGNOSING CARDIAC DISEASES USING ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Publication Number 46/2022

Publication Date 18/11/2022

Publication Type INA

Application Number 202211063897

Application Filing Date 09/11/2022

Priority Number

Priority Country

Priority Date

Field Of Invention BIO-MEDICAL ENGINEERING

Classification (IPC) A61B0005000000, G16H0050200000, G06N0030040000, G06N0030080000, A61B0005316000

Inventor

Name	Address	Country
Dr. Sarita	Assistant Professor, School of Engineering & Technology, K. R. Mangalam University, Gurgaon, Haryana 122103	India
Ms. Savita	Assistant Professor, School of Engineering & Sciences, GD Goenka University, Sohna, Gurugram, Haryana 122103	India
Ms. Deepika Kamboj	Research Scholar, Department of Electrical Electronics and Communication Engineering, The NorthCap University, Gurugram	India
Dr. Varshali Dixit	Associate Professor, Department of Applied Sciences, Global Institute of Technology and Management, Gurgaon, Haryana	India
Ms. Manika Nanda	Sr. Assistant Professor, Department of Information Technology, ABES Engineering College, 19th KM Stone, NH-09, Ghazabad, Uttar Pradesh 20100	India
Dr. Anur Saraswat	Assistant Professor, School of Engineering & Technology, K. R. Manglam University, Gurgaon, Haryana 122103	India

Applicant

Name	Address	Country
Dr. Sarita	Assistant Professor, School of Engineering & Technology, K. R. Manglam University, Gurgaon, Haryana 122103	India
Ms. Savita	Assistant Professor, School of Engineering & Sciences, GD Goenka University, Sohna, Gurugram, Haryana 122103	India
Ms. Deepika Kamboj	Research Scholar, Department of Electrical Electronics and Communication Engineering, The NorthCap University, Gurugram	India
Dr. Varshali Dixit	Associate Professor, Department of Applied Sciences, Global Institute of Technology and Management, Gurgaon, Haryana	India
Ms. Manika Nanda	Sr. Assistant Professor, Department of Information Technology, ABES Engineering College, 19th KM Stone, NH-09, Ghazabad, Uttar Pradesh 20100	India
Dr. Anur Saraswat	Assistant Professor, School of Engineering & Technology, K. R. Manglam University, Gurgaon, Haryana 122103	India

Abstract:

The present invention relates to a method for diagnosing silent and/or symptomatic cardiac diseases in human patients. This method is based on extracting and analyzing factors or a combination of hidden and known factors of ECG signals. The method can be used to diagnose cardiac diseases in human patients. The method of diagnosing the resting electrocardiogram (ECG) signals of a group of patients who have already been diagnosed. The group includes patients who have been a priori diagnosed as well as patients who have been a priori diagnosed as healthy patients by reliable procedures. The processed related raw input signals of identified patient used to train artificial neural networks to effectively categorize the heart illnesses. This training is done in an iterative manner. It is possible to preserve the weights and which together constitute the trained neural networks. Patients who are unknown and new are given a diagnosis of either being unwell or healthy by having their ma ECG data processed by neural networks that have been trained.

Complete Specification

FIELD OF THE INVENTION

The present invention relates to the area of medical signals analysis utilizing Machine Learning procedures as the underlying framework. To be more specific, the invention relates to a method and system for diagnosing cardiac diseases by using factors obtained by employing Artificial Neural Network processing of medical signals. This method and system are both aspects of the invention.

Background of the invention:
 Ischemia occurs when an organ does not receive an adequate supply of blood, most frequently as a result of a blocked artery. Myocardial ischemia is a condition that occurs when the heart tissue is deprived of oxygen and other nutrients either gradually or abruptly. This can occur as an intermediate stage in coronary artery disease, heart attack will occur when the blood supply to the heart has been completely cut off because this will eventually cause the affected heart tissue to perish. However accounts for only 15% of all instances of a heart attack. Pathologists have shown that the majority of attacks take place after a plaque fibrous cap on the artery inner breaks open, which then encourages a blood clot to form over the break in the plaque. Because the clot is blocking the artery, a heart attack will occur suddenly and without warning (Libby, P. Atherosclerosis: The new view. Scientific American, May 2002, 29-37). Ischemia can present with symptoms both physical and diagnostic can be asymptomatic (i.e. without symptoms). Up to four million people in the United States may have silent ischemia and be at high risk of having a heart attack w any early warning signs, as reported by the American Heart Association (AHA).

Diagnostic procedures for myocardial ischemia include: resting, exercising, or ambulatory electrocardiograms (ECG); scintigraphy studies (radioactive heart scans); stress echocardiography; coronary arteriography; and in extremely rare cases, positron emission tomography. Catheterization on the other hand is the method that reveals

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Application Details

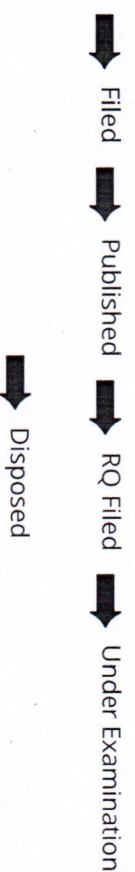
APPLICATION NUMBER	202211063581
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	08/11/2022
APPLICANT NAME	1. Mr. Phani Krishna Athreya Agnihotram 2. Dr. Vinod Kumar 3. Prof. Jyoti Sinha 4. Dr. Kamal Pant 5. Dr. Pankaj Gupta 6. Mr. Sujit Kumar
TITLE OF INVENTION	A SYSTEM USING BOT FOR SIMULATED PATIENT RESPONSES TO TRAIN SUBJECTIVE REFRACTION PROCEDURE
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	info@lexgin.com
ADDITIONAL-E-MAIL (As Per Record)	chnadra.arnish@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	18/11/2022

Application Status

APPLICATION STATUS

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Patent Search

Invention Title A MULTI-LEVEL MODEL FOR STRATEGIC IMPLEMENTATION ON SUSTAINABLE DEVELOPMENTAL GOALS IN HIGHER EDUCATION INSTITU

Publication Number 45/2022

Publication Date 11/11/2022

Publication Type IMA

Application Number 202211062490

Application Filing Date 02/11/2022

Priority Number

Priority Country

Priority Date

Field Of Invention COMPUTER SCIENCE

Classification (IPC) G06Q0010060000, A61K0031050000, A61K0031365000, H04M0003220000, G16H0010200000

Inventor

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant

Name

Dr. Arun B Prasad

Dr. Sanjay Kumar

Dr. Tanis Gupta

Dr. Bhavani Shree

UmanaheswaraaGobblila

Dr. Anant Deegzonkar

Dr. Pooja Nagpal

Applicant



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Application Details

APPLICATION NUMBER	202211061765
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	30/10/2022
APPLICANT NAME	1. Neeta Sharma 2. Priya Sharma 3. Dr. Ashish Gupta 4. Neha Gupta 5. Arjun Rai Dutta 6. Dr Meenu Vijlania
TITLE OF INVENTION	AN EFFICIENT TECHNIQUE TO PREDICT PLANT NUTRITION DEFICIENCY USING MACHINE LEARNING
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	neha.judge99@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
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PUBLICATION DATE (U/S 11A)	11/11/2022

Application Status

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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination

➡ Disposed

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Patent Search

Invention Title	AN ARTIFICIAL INTELLIGENCE-BASED SYSTEM FOR IMPROVING ONLINE EDUCATION AND TEACHING SKILL		
Publication Number	43/2022		
Publication Date	28/10/2022		
Publication Type	INIA		
Application Number	202241059682		
Application Filing Date	19/10/2022		
Priority Number			
Priority Country			
Priority Date			
Field of Invention	COMPUTER SCIENCE		
Classification (IPC)	G06Q050200000, G09B001900000, H04N007150000, G09B007000000, G09B007020000		
Inventor			
Name	Address	Country	
Mrs. A. Gayathiri	Assistant Professor, PG and Research Department of Computer Science and Applications, Vivekanandha College of Arts and Sciences for Women (Autonomous) Elayampalayam, Namakkal (DT), Tiruchengode, Tamilnadu, India Pin: 637205	India	
Dr. Shailini Chaturvedi	Associate Professor, Department of Public Administration, University of Rajasthan, Rajasthan, India Pin: 302015	India	
S. Bhuvaneshwari	Assistant Professor, PG and Research Department of Computer Science and Applications, Vivekanandha College of Arts and Sciences for Women (Autonomous) Elayampalayam, Namakkal (DT), Tiruchengode, Tamilnadu, India Pin: 637205	India	
Dr. Sanjay Kumar	Professor & Principal, Department of Commerce & Management, Saraswati College of Professional Studies (PG College), 819, 27 KM Stone, NH-9, Delhi-Meerut Expressway, Adhyaticm Nagar, Darsa, Uttar Pradesh, India Pin: 201302	India	
Dr. Tanja Gupta	Professor & Dean, School of Education, K.R. Mangalam University, Sohna Road, Gurugram, Haryana, India Pin: 122103	India	
Dr. Anant S. Deshpande	Assistant Professor and Head, Department of Zoology, Chhatrapati College of Science, Pombhurna, Dist. Chandrapur, M.S. 442918	India	
Dr. Simranjeet Kaur Sandhar	Associate Professor, Department of MBA, Indore Institute of Management and Research, Opposite IIM Indore, Rau - Pithampur Road, Indore, Madhya Pradesh, India Pin: 453331	India	
Ankit Kumar	Research Scholar, Department of Journalism and Mass Communication, University of Technology, Jaipur, Rajasthan, India Pin: 303903	India	
Dr. S. Saravanan	Assistant Professor, Department of Commerce, Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai, Tamilnadu, India Pin: 600039	India	
Dr. Pratap Pail	Assistant Professor II, Dept of IT and Engineering, Army University in Tashkent, Labzok, Uzbekistan Pin: 100128	India	
Kachi Anweesh	Assistant Professor, Department of Information Technology, Vardhaman College of Engineering, Kacharam, Shamsabad, Hyderabad, Telangana, India Pin: 501218	India	
Smith S	Guest Lecturer in Commerce, Kerala University, University Institute of Technology, Vell, Tiruvandrum, Kerala	India	
Applicant			

Name	Address	Country
Mrs. A. Gayathri	Assistant Professor, PG and Research Department of Computer Science and Applications, Vivekanandha College of Arts and Sciences for Women (Autonomous) Elayampalayam, Namakkal (DT), Tiruchengode, Tamilnadu, India Pin: 637205	India
Dr. Shailini Chaturvedi	Associate Professor, Department of Public Administration, University of Rajasthan, Rajasthan, India Pin: 302015	India
S. Bhuvaneshwari	Assistant Professor, PG and Research Department of Computer Science and Applications, Vivekanandha College of Arts and Sciences for Women (Autonomous) Elayampalayam, Namakkal (DT), Tiruchengode, Tamilnadu, India Pin: 637205	India
Dr. Sanjay Kumar	Professor & Principal, Department of Commerce & Management, Saraswati College of Professional Studies (PG College), 819, 27 KM Stone, NH-9, Delhi-Meerut Expressway, Adhyaticm Nagar, Darsa, Uttar Pradesh, India Pin: 201302	India
Dr. Tanja Gupta	Professor & Dean, School of Education, K.R. Mangalam University, Sohna Road, Gurugram, Haryana, India Pin: 122103	India
Dr. Anant S. Deshpande	Assistant Professor and Head, Department of Zoology, Chhatrapati College of Science, Pombhurna, Dist. Chandrapur, M.S. 442918	India
Dr. Simranjeet Kaur Sandhar	Associate Professor, Department of MBA, Indore Institute of Management and Research, Opposite IIM Indore, Rau - Pithampur Road, Indore, Madhya Pradesh, India Pin: 453331	India
Ankit Kumar	Research Scholar, Department of Journalism and Mass Communication, University of Technology, Jaipur, Rajasthan, India Pin: 303903	India
Dr. S. Saravanan	Assistant Professor, Department of Commerce, Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai, Tamilnadu, India Pin: 600039	India
Dr. Pratap Pail	Assistant Professor II, Dept of IT and Engineering, Army University in Tashkent, Uzbekistan Pin: 100128	Uzbekistan
Kachi Anweesh	Assistant Professor, Department of Information Technology, Vardhaman College of Engineering, Kacharam, Shamsabad, Hyderabad, Telangana, India Pin: 501218	India
Smith S	Guest Lecturer in Commerce, Kerala University, University Institute of Technology, Vell, Tiruvanduram, Kerala	India

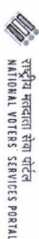
Abstract:

The present invention discloses an artificial intelligence-based system for improving online education and teaching skill. The system includes, but not limited to, an artificial intelligence based interface provided with communication of learning material to a student user via the internet and receipt of progress information regarding the student user's activity with the learning material, the time it takes for the student user to finish sections of the learning material, or the student user's replies to a series of questions are all included in the progress information. Accompanied Drawing (FIGS. 1-2).

Complete Specification

Description[001] The present invention relates to the field of devices, systems, methods and techniques for presenting, tracking, reporting and analyzing the system improving online education. The invention more particularly relates to an artificial intelligence-based system for improving online education and teaching skill. BACKGROUND OF THE INVENTION [002] The following description provides the information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art. [003] Further, the approaches described in this section are approaches that could be pursued, but not necessarily approaches that have been previously conceived or pursued. Therefore, unless otherwise indicated, it should not be assumed that any of the approaches described in this section qualify as prior art merely by virtue of inclusion in this section. [004] The current invention relates to online education delivered via the internet, specifically the incorporation of live instructors. Many learners (students) are confused by the role of the spectator, frequently observing what is happening around them without taking part. Students might also struggle with language barriers and/or a lack of experience or confidence to participate. Traditional online teaching techniques only monitor students' progress and in the event of a failure, loop them back to a content. This relatively isolating setting for learning does not support or in any other way boost drive to study. [005] Accordingly, on the basis of aforesaid facts, there remains a need in the prior art to provide an artificial intelligence-based system for improving online education teaching skill. The proposed system overcomes the problem of conventional and complex techniques, and which have the potential of accelerating through the various intelligent modules. Therefore it would be useful and desirable to have a system method, apparatus and invention to overcome the above-mentioned needs.

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Application Details

APPLICATION NUMBER 202211060513
APPLICATION TYPE ORDINARY APPLICATION
DATE OF FILING 22/10/2022
APPLICANT NAME

1. Dr. Sanjeev Kumar
2. Dr. Pankaj Agarwal
3. Dr. Anand Prakash Shukla
4. Dr. Jay Shankar Prasad
5. Dr. Dilkeswar Pandey
6. Saurav Chandra

TITLE OF INVENTION

AI-BASED FACE RECOGNITION SYSTEM USING DEEP RECURRENT NEURAL NETWORK

FIELD OF INVENTION

COMPUTER SCIENCE

E-MAIL (As Per Record)

pooja@innovintellects.com

ADDITIONAL-E-MAIL (As Per Record)

pujakr@gmail.com

E-MAIL (UPDATED Online)

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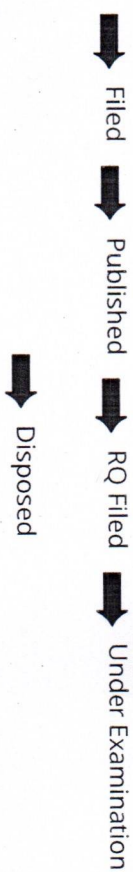
28/10/2022

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Patent Search

Invention Title A METHOD TO SYNTHESIZE MARGOLD FLOWER MORPHOLOGY OF ZNO NANOPARTICLES WITH ENHANCED SOLAR RADIATION DRIVEN PHOTOCATALYTIC ACTIVITY

Publication Number 42/2022

Publication Date 21/10/2022

Publication Type INA

Application Number 202211057691

Application Filing Date 08/10/2022

Priority Number

Priority Country

Priority Date

Field of Invention CHEMICAL

Classification (IPC) B01J0035000000, C02F0101300000, H01L0051420000, C07C0403240000

Inventor

Name Address Dr. Narendar Budhiraja Assistant Professor, Department of Physics, Satish Chander Dhawan Government College for Boys, Ludhiana, Punjab, India

Country India

Name Address Prof. S.K. Singh Retired Professor, Department of Physics, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Haryana, India

Country India

Name Address Dr. Jarnail Singh Assistant Professor, School of Engineering and Technology, K R Mangalam University, Gurgaon, Haryana, 122103

Country India

Name Address Dr. Kaushal Kumar Associate Professor, School of Engineering and Technology, K R Mangalam University, Gurgaon, Haryana, 122103

Country India

Name Address Dr. Gyander Ghanghas Assistant Professor, Department of Mechanical Engineering, SRM Institute of Science and Technology, Delhi-NCR Campus, Modinagar, Uttar Pradesh, 201204

Country India

Name Address Dr. Vikas Goyal Assistant Professor, Department of Mechanical Engineering, SRM Institute of Science and Technology, Delhi-NCR Campus, Modinagar, Uttar Pradesh, 201204

Country India

Name Address Prof. S.K. Singh Retired Professor, Department of Physics, Deenbandhu Chhotu Ram University of Science and Technology, Murthal, Haryana, India

Country India

Name Address Dr. Jarnail Singh Assistant Professor, School of Engineering and Technology, K R Mangalam University, Gurgaon, Haryana, 122103

Country India

Name Address Dr. Kaushal Kumar Associate Professor, School of Engineering and Technology, K R Mangalam University, Gurgaon, Haryana, 122103

Country India

Name Address Dr. Gyander Ghanghas Assistant Professor, Department of Mechanical Engineering, SRM Institute of Science and Technology, Delhi-NCR Campus, Modinagar, Uttar Pradesh, 201204

Country India

Name Address Dr. Vikas Goyal Assistant Professor, Department of Mechanical Engineering, SRM Institute of Science and Technology, Delhi-NCR Campus, Modinagar, Uttar Pradesh, 201204

Country India

Abstract:
 The present invention relates to a method to synthesize margold flower. The invention more particularly relates to a method to synthesize margold flower morpholok nanoparticles with enhanced solar radiation driven photocatalytic activity. The present invention synthesis of margold flower morphology of ZnO nanoparticles for d of organic dye (Methylene Blue) is disclosed. The unique morphology has been achieved through solvothermal method. As prepared nanoparticles has high surface v ratio which enhance their photocatalytic activity potentially for degradation of organic pollutant present in effluent. Here in, we obtained facile approach for fabricati ZnO nano structures with in-depth investigation of their structural, optical, solar radiation driven Photocatalytic activities.

Complete Specification

FIELD OF THE INVENTION

[001] The present invention relates to a method to synthesize margold flower. The invention more particularly relates to a method to synthesize margold flower morphology of ZnO nanoparticles with enhanced solar radiation driven photocatalytic activity.

BACKGROUND OF THE INVENTION

[002] The following description provides the information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[003] The morphology of nanoparticles is tuneable by changing the synthesis route, precursors, concentration and heating parameters. Several attempts have been for novel designs of ZnO nano structures by researchers because of its potential applications.

[004] Among those applications photocatalytic activity is most important as well as demanding from environmental cleaning and effluent treatment aspect. Here in successfully obtained margold flower morphology which has highest surface to volume ratio among any other morphologies and provides remarkable degradation 98%) of methylene blue dye.

[005] Treatment with other organic dye like orange dye, amine dyes etc. may show further potential Photocatalytic nature of these unique morphology nanoparticle helps to purify the effluent of various colour based, chemical oriented industries.

[006] Accordingly based on aforesaid facts, there remains a need in the prior art to provide a method to synthesize margold flower morphology of ZnO nanopartic enhanced solar radiation driven photocatalytic activity. Therefore, it would be useful and desirable to have a system method apparatus and interface to meet the.

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Application Details

APPLICATION NUMBER	202211059049
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	17/10/2022
APPLICANT NAME	1. Mr. Mohit Agrawal 2. Dr. Hema Chaudhary 3. Ms. Neha Minocha 4. Ms. Komal Rao 5. Ms. Shalini Kumari 6. Ms. Nikita Yadav
TITLE OF INVENTION	ANTIBACTERIAL & ANTIOXIDANT DEVELOPMENT AND EVALUATION OF NYCTHANTHUS ARBORITRITIS GEL
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	vaagailip@gmail.com
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PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	21/10/2022

Application Status

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Patent Search

INFORMATION AND COMMUNICATION TECHNOLOGY TOOLS FOR RESEARCH IN SOCIAL SCIENCE			
Invention Title	41/2022		
Publication Number	14/10/2022		
Publication Date	INA		
Publication Type	202241056370		
Application Number	30/09/2022		
Application Filing Date			
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	COMMUNICATION		
Classification (IPC)	H04L0001000000, G06Q0010100000, G06Q0050000000, G06Q0010060000, G09B0019000000		
Inventor			
Name	Address	Country	
Dr. G Saravana Kumar	Associate Professor, Dept: School of commerce - BMS, Jain (Deemed to be) University 44,District fund road, Jayanagar 9th block, Bengaluru Karnataka, India - 560069.	India	
Ms. Karanjan Khatrija	Assistant Professor, Department, School of Education, K. R. Mangalam University, Gurugram, Haryana, India - 122103.	India	
Dr. T. Mantharacher	Assistant Professor, Department of Education, Assam University (A Central University), Sitchar, Assam, India - 788011	India	
Dr. S. Barathi	Assistant Professor, Srinivasa Ramanujan Centre, SASTRA Deemed to be University, Kumbakonam, TamilNadu, India - 612001	India	
Dr. Akansha V. Prajapati	Director, Physical Education and sports, Parul University, Vadodara, Gujarat, India - 390001.	India	
Dr. Vikas Prajapati	Director, Physical Education, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India - 390001.	India	
Dr. M. Sridevi	Post Doctoral Fellow (ICSSR), Department of Education, Sri Padmawati Mahila Viswavidyalayam, Tirupati, Andhra Pradesh, India - 517502.	India	
Dr.S.Ayyappa	Dean of Commerce and Professor, Polachi College of Arts and Science, Polachi, Combatores,Tamilnadu, India - 642205.	India	
Applicant			
Name	Address	Country	
Dr. G Saravana Kumar	Associate Professor, Dept: School of commerce - BMS, Jain (Deemed to be) University 44,District fund road, Jayanagar 9th block, Bengaluru Karnataka, India - 560069.	India	
Ms Karanjan Khatrija	Assistant Professor, Department, School of Education, K. R. Mangalam University, Gurugram, Haryana, India - 122103.	India	
Dr. T. Mantharacher	Assistant Professor, Department of Education, Assam University (A Central University), Sitchar, Assam, India - 788011	India	
Dr. S Barathi	Assistant Professor, Srinivasa Ramanujan Centre, SASTRA Deemed to be University, Kumbakonam, TamilNadu, India - 612001	India	
Dr Akansha V. Prajapati	Director, Physical Education and sports, Parul University, Vadodara, Gujarat, India - 390001.	India	
Dr. Vikas Prajapati	Director, Physical Education, The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India - 390001.	India	
Dr. M. Sridevi	Post Doctoral Fellow (ICSSR), Department of Education, Sri Padmawati Mahila Viswavidyalayam, Tirupati, Andhra Pradesh, India - 517502.	India	
Dr. S. Ayyappa	Dean of Commerce and Professor, Polachi College of Arts and Science, Polachi, Combatores,Tamilnadu, India - 642205.	India	

Abstract

Rapid advances in science, technology, and education are causing new societal patterns and behaviours. Youth and researchers love social networking. Researchers use the internet to access e-journals and e-books. As more ICT tools are produced and employed in social science research, it's a good idea to reflect on how ICT affected science research as a whole, as such a study is scarce. Interviews revealed information-seeking behaviors. The qualitative interviews and analysis using grounded theory results were compared to the social scientists' earlier work to determine similarities and differences. This study used a participatory observation approach to examine affected social science research in three areas: pre-data analysis, data analysis, and post-data analysis. These three ICT applications enhanced researchers' speed, quality, complexity, and cost.

Complete Specification

Description: The 21st century is marked by the rapid rate of technological and social change. There were Technonetic changes in ICT since the 1970s e.g. from the mainframe computers in 1980s, Client Server Architecture in 1990s, and Internet in 2000s to now Big Data Analytics and Cloud Computing in 2010s are different. The application of these ICTs had effects on the approach how researchers conducted their social science research. In the 2010s social science research is co-being conducted on how ICT had effects on specific social science disciplines like in education, psychology, sociology, economics, there is still lack of study on how ICT transformed the social science research as a whole. This technology includes the creation, acquisition, storage, organization, dissemination, retrieval, processing, interpretation, transmission of information to accumulate knowledge and expedite communication. Social science research is the systematic process of finding solutions to problems and economics. Firstly, it provides an overview on how ICT had effects on social science research as a whole without drilling into each specific social science disciplines like education, psychology, sociology, economics et al. Secondly, it hopes to enable social science researchers to examine themselves whether they are leveraging on some of the ICTs. If they are not, they can start adopting some of the ICTs to improve their research productivity. This second objective also enables researchers to reflect on how ICT had transformed the way they conduct social science research in the 2010s compared to those in previous eras. Lastly, this invention enable ICT professionals to understand how ICT had effects on social science research. Fig. 1 depicts the components of ICT.

In this changing era of globalization, today both students and academics have particular learning needs and require a number of skills and capabilities to achieve success. ICT had effects on many facets of social science research. They can be classified into three categories, which include all ICT applications in pre-data analysis, in ICT in

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Application Details

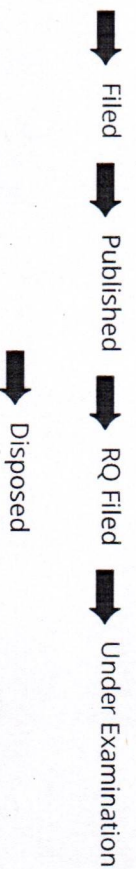
APPLICATION NUMBER	202211054793
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	24/09/2022
APPLICANT NAME	1. Dr. Vinita Choudhary 2. Ms. Seema Tewari 3. Ms. Jyoti Nain 4. Ms. Himanshi Gaur
TITLE OF INVENTION	AN EMPIRICAL INVESTIGATION OF THE EFFECTS OF FOREIGN DIRECT INVESTMENT ON THE INDIAN ECONOMY, FOCUSING ON THE SERVICE INDUSTRY
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	rrajanrmgsipn@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
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Application Status

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Patent Search

Invention Title MACHINE LEARNING BASED APPROACH TO ANALYZE THE VARIOUS MATERIALS THAT ARE USED TO PRODUCE BIOPLASTICS AND REDUCE NEGATIVE IMPACT OF NON DEGRADABLE PLASTICS

Publication Number	39/2022		
Publication Date	30/09/2022		
Publication Type	INA		
Application Number	20221044533		
Application Filing Date	04/08/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	BIO-MEDICAL ENGINEERING		
Classification (IPC)	A61B00051:45000, G06N00200000000, A61N0039395000, G06K0009620000, G01N00330000000		
Inventor			
Name	Address	Country	
Dr. PRATIMA VDMARE	ASSISTANT PROFESSOR CHEMISTRY/DEPARTMENT-APPLIED SCIENCE/GCOEAR,AMSAARI	India	
Dr. SACHIN KUMAR SHARMA	ASSOCIATE PROFESSOR, DEPARTMENT OF PHYSICS, MEERUT COLLEGE, MEERUT/UP-250004	India	
Dr. DEEPTI SAXENA	HEAD DEPT.OF PHYSICS, ISMAIL NATIONAL MAHILA PG COLLEGE, MEERUT UTTAR, PRADESH PIN CODE 250002	India	
SACHIN BAJIROO SAIAM	ASSISTANT RESEARCH OFFICER, MARINE BIOLOGICAL RESEARCH STATION, ZADOGAON, RATNAGIRI 415612	India	
Dr. G. PRABHAKARAN	PROFESSOR/CIVIL ENGINEERING, SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY, PUTTUR, 517583	India	
PRAVAT KUMAR SWAIN	ASSISTANT PROFESSOR, DEPARTMENT OF BASIC SCIENCES AND HUMANITIES SATYASAI ENGINEERING COLLEGE (BPUT ROURKELA, BALASORE-756002, ODISHA, INDIA AND DEPARTMENT OF CHEMISTRY, BERMAMPUR DEGREE COLLEGE, AT- BERMAMPUR, P.O.: RAJ BERMAMPUR, BALASORE, PIN-756058, ODISHA, INDIA	India	
Dr. BHASKER PANT	PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY, GRAPHIC ERA DEEMED TO BE UNIVERSITY, DEHRADUN, UTTARAKHAND, INDIA 248002	India	
Dr. CHANDRA MOHAN	ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, SBAS, K R MANGALAM UNIVERSITY, GURUGRAM 122103, HARYANA, INDIA	India	
Applicant	Address	Country	
Dr. PRATIMA VDMARE	ASSISTANT PROFESSOR CHEMISTRY/DEPARTMENT-APPLIED SCIENCE/GCOEAR,AMSAARI	India	
Dr. SACHIN KUMAR SHARMA	ASSOCIATE PROFESSOR, DEPARTMENT OF PHYSICS, MEERUT COLLEGE, MEERUT/UP-250004	India	
Dr. DEEPTI SAXENA	HEAD DEPT.OF PHYSICS, ISMAIL NATIONAL MAHILA PG COLLEGE, MEERUT UTTAR, PRADESH PIN CODE 250002	India	
SACHIN BAJIROO SAIAM	ASSISTANT RESEARCH OFFICER, MARINE BIOLOGICAL RESEARCH STATION, ZADOGAON, RATNAGIRI 415612	India	
Dr. G. PRABHAKARAN	PROFESSOR/CIVIL ENGINEERING, SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY, PUTTUR, 517583	India	
PRAVAT KUMAR SWAIN	ASSISTANT PROFESSOR, DEPARTMENT OF BASIC SCIENCES AND HUMANITIES SATYASAI ENGINEERING COLLEGE (BPUT ROURKELA, BALASORE-756002, ODISHA, INDIA AND DEPARTMENT OF CHEMISTRY, BERMAMPUR DEGREE COLLEGE, AT- BERMAMPUR, P.O.: RAJ BERMAMPUR, BALASORE, PIN-756058, ODISHA, INDIA	India	
Dr. BHASKER PANT	PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY, GRAPHIC ERA DEEMED TO BE UNIVERSITY, DEHRADUN, UTTARAKHAND, INDIA 248002	India	
Dr. CHANDRA MOHAN	ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, SBAS, K R MANGALAM UNIVERSITY, GURUGRAM 122103, HARYANA, INDIA	India	

Abstract: Machine Learning based approach to analyze the Various Materials that are used to produce bio plastics and reduce the Negative Impact of Non-Degradable Plastics proposed invention. The proposed invention focuses on analysing the various materials that are used in producing bio plastics. The algorithms of machine learning a analyzing the bio plastics along with predicting the negative effects of non-degradable plastics.

Complete Specification

Description:[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art. [0002] Bio plastics are plastic materials are produced from renewable bio mass sources such as vegetable fats and oils, corn starch, straw, woodchips, saw dust, food waste etc. Some bio plastics are obtained by processing directly from natural bio polymers including polysaccharides and proteins while others are chemically synthesized from sugar derivatives and lipids from either plants or animals or biologically generated by fermentation of sugars or lipids. [0003] A number of different types of bioplastic analysis systems that are known in the prior art. For example, the following patents are provided for their support teachings and are all incorporated by reference. [0004] Overview of Bioplastic Introduction and its Applications in Product Packaging Each year, more than 330 million tons of plastic are produced worldwide. The consumers of plastics are the packaging (40%), building (20%) and automotive (8%) industries, as well as for the manufacture of household appliances. The vast majority of industrial plastics are not biodegradable and, therefore, create environmental problems due to the increase in the amount of solid waste. Studies have been conducted to produce biodegradable materials such as bioplastics to overcome this environmental problem. Bioplastics are defined as materials that are bio-based, biodegradable, they can provide excellent biodegradability and can be used to help alleviate environmental problems. Therefore, this article presents an overview of the intro of bioplastic materials and classifications, and a comprehensive review of their drawbacks and areas of importance, including basic and applied research, as well as biopolymer mixtures and bio composites developed in the last decade. At the same time, this article provides insights into the development of bioplastics research the needs of many industries, especially in the packaging industry in Malaysia. This review paper also focuses generally on biodegradable polymers such as

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Application Details

APPLICATION NUMBER	202211054424
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	22/09/2022
APPLICANT NAME	1. Dr. Rahul Boadh 2. Dr. Yogendra Kumar Rajoria 3. Dr. Sunil Namdeo Yadav 4. Dnyaneshwar Dattatray Bobalade 5. Dr. Pradyavati Prabhakar Yadav 6. Dr. Sunil Namdeo Yadav

TITLE OF INVENTION
INTEGRATED MACHINE VISION SYSTEM FOR HUMAN MICRO-
EXPRESSION CLASSIFICATION BY AI IMAGE PROCESSING

FIELD OF INVENTION
COMPUTER SCIENCE

E-MAIL (As Per Record) rboadh.iitkgp@gmail.com

ADDITIONAL-E-MAIL (As Per Record) rboadh.iitkgp@gmail.com

E-MAIL (UPDATED Online)

PRIORITY DATE

REQUEST FOR EXAMINATION DATE

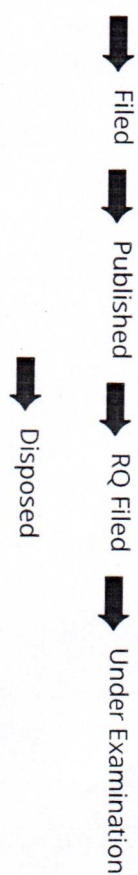
PUBLICATION DATE (U/S 11A) 30/09/2022

APPLICATION STATUS


Application Status

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Patent Search

Invention Title DEVELOPING SUSTAINABLE GREEN ELECTRONICS FOR AN ENVIRONMENTALLY-FRIENDLY FUTURE

Publication Number 39/2022

Publication Date 30/09/2022

Publication Type IMA

Application Number 202211054425

Application Filing Date 22/09/2022

Priority Number

Priority Country

Priority Date

Field Of Invention COMPUTER SCIENCE

Classification (IPC) G06Q030020000, G06Q0010060000, B01D0053620000, C25D0005480000, C08L0033120000

Inventor

Name

Address

Country

Dr. Rajul Bosh

Dr. Yogendra Kumar

Rajoria

Dr. Sunil Nandoo Yadav

Mansing Dataraya

Khedeekar

Sarish Kumar

Prashant B. Debnakar

Shival P. Debnakar

Applicant

Name

Address

Country

Dr. Rajul Bosh

Dr. Yogendra Kumar

Rajoria

Dr. Sunil Nandoo Yadav

Mansing Dataraya

Khedeekar

Sarish Kumar

Prashant B. Debnakar

Shival P. Debnakar

Applicant

Name

Address

Country

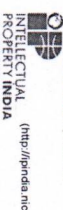
Dr. Rajul Bosh

Dr. Yogendra Kumar

Rajoria

Dr. Sunil Nandoo Yadav

Mansing Dataraya



Ship to Main Content

Complete Specification

FIELD OF THE INVENTION
 This invention is related to Green Electronics for a Sustainable Future.
 BACKGROUND OF THE INVENTION
 According to the American Marketing Association, green marketing products are those that focus on process, modification, packaging, and branding and are presumptively safe for the environment. Green marketing refers to the idea of holistic marketing, in which products and services are produced, used, and disposed of in a way that minimizes environmental damage while raising awareness of the effects of global warming and other harmful factors. Waste that is solid and not biodegradable, etc. Green marketing combines a wide range of activities, including changes to product processes, product changes, packaging changes, and advertisements. Even yet, it can be challenging to elaborate on green marketing. It's a common misconception that green marketing primarily involves using, promoting, and commercializing goods with environmental attributes. Consumers typically associate green marketing with terms like environmentally friendly, recyclable, ozone friendly, phosphate free, and reliable. This

According to the American Marketing Association, green marketing products are those that focus on process, modification, packaging, and branding and are presumptively safe for the environment. Green marketing refers to the idea of holistic marketing, in which products and services are produced, used, and disposed of in a way that minimizes environmental damage while raising awareness of the effects of global warming and other harmful factors. Waste that is solid and not biodegradable, etc. Green marketing combines a wide range of activities, including changes to product processes, product changes, packaging changes, and advertisements. Even yet, it can be challenging to elaborate on green marketing. It's a common misconception that green marketing primarily involves using, promoting, and commercializing goods with environmental attributes. Consumers typically associate green marketing with terms like environmentally friendly, recyclable, ozone friendly, phosphate free, and reliable. This


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Patent Search

Invention Title	HUMAN RESOURCE DEVELOPMENT IN AUTOMOBILE INDUSTRY/A COMPARATIVE STUDY OF COMPANY X AND COMPANY Y		
Publication Number	38/2022		
Publication Date	23/09/2022		
Publication Type	INA		
Application Number	202211053867		
Application Filing Date	20/09/2022		
Priority Number			
Priority Date			
Field Of Invention	COMPUTER SCIENCE		
Classification (IPC)	G06Q010060000, G06Q005020000, G09B001900000, G09B007020000, G06Q010040000		
Inventor			
Name	Address	Country	
Dr. Richa Nangia	K.R. Mangalam University, Badshahpur Sohna Rd, Sohna Rural, Haryana 122103	India	
Dr. Richa Arora	Jagannath Institute Of Management Sciences, Vasant Kunj, Plot No 3, Vasant Kunj Institutional Area, Vasant Kunj, New Delhi, Delhi 110070	India	
Dr. Sachita Yadav	Arun Jaleel National Institute of Financial Management, Sector 48, Faridabad, Haryana, 121001	India	
Dr. Shubha Chandra	Garden City University 16th Km, Old Madras Road, Bangalore - 560 049	India	
Dr. Ona Ladwal	Swami Keethanand Institute of Technology, Management & Gramothan Ram Nagarya Rd, Shivam Nagar, Jagatpura, Jaipur, Rajasthan	India	
Dr. Sakshi Saxena	PT-9037, Prestige Tranquility, Budigere Cross, Off Old Madras Road, Bommenahalli Village, Bangalore	India	

Applicant

Name	Address	Country
Dr. Richa Nangia	K.R. Mangalam University, Badshahpur Sohna Rd, Sohna Rural, Haryana 122103	India
Dr. Richa Arora	Jagannath Institute Of Management Sciences, Vasant Kunj, Plot No 3, Vasant Kunj Institutional Area, Vasant Kunj, New Delhi, Delhi 110070	India
Dr. Sachita Yadav	Arun Jaleel National Institute of Financial Management, Sector 48, Faridabad, Haryana, 121001	India
Dr. Shubha Chandra	Garden City University 16th Km, Old Madras Road, Bangalore - 560 049	India
Dr. Ona Ladwal	Swami Keethanand Institute of Technology, Management & Gramothan Ram Nagarya Rd, Shivam Nagar, Jagatpura, Jaipur, Rajasthan	India
Dr. Sakshi Saxena	PT-9037, Prestige Tranquility, Budigere Cross, Off Old Madras Road, Bommenahalli Village, Bangalore	India

Abstract:

The present invention relates to effective performance of any organization depends not just on the available resources, but its quality and competence as required by organization from time to time. Moreover, the efficiency various areas of business depend to a greater extent on the level of human resources development. HRD is a improved performance and productivity through increased knowledge, competencies, skills, and attitudes, in other words, HRD is about learning, its effects on people on the company. The more important aspects of human resources are aptitude, values, attitudes and beliefs.

Complete Specification

FIELD OF INVENTION:
 The present invention relates to a comparative study of performance of the organizations such as company X and company Y.

BACKGROUND OF THE INVENTION:

The caliber of an organization's workforce determines its success. Numerous studies have demonstrated that enhancing human resources' integrated personalities significantly improved the work. Only through the efforts and skills of its staff can any organization's goals be accomplished. HRD is a creative strategy with the won promise of enhancing the working lives of each person in a business. HRD has grown into a fully-fledged distinct management system. The idea of HRD is crucial in current environment for addressing both possibilities and risks that employees confront as a result of globalisation.

Since it has become crucial to the success of every business, HRD, which is only somewhat new, has gained speed in both public and private sector enterprises. Sim a company's human resource development plan should reduce financial risk while maximising return on investment in its employees. Every firm strives to find the qualified human capital, keep them engaged, and place them in positions where they will thrive. An company cannot succeed if its workforce's abilities are not conti developed. Effective and motivated employees are crucial for the survival and success of a firm. Any business interested in increasing its efficiency in terms of better lower costs, goodwill, fast service, etc.

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Application Details

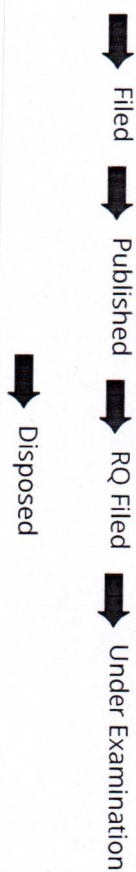
APPLICATION NUMBER	202211051481
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/09/2022
APPLICANT NAME	1. Dr. Deo Datta Aanya 2. Dr. Rahul Boadh 3. Raj Kumar Bhagat 4. Dr. Yogendra Kumar Rajoria 5. Dr. Deepak Kumar 6. Dr. P. C. Jena 7. Dr. Anand Chauhan 8. Dr. Anu Rathee
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE INTEGRATED HUMAN PARADIGM THROUGH ORGANIZATIONAL AGILITY AND SUSTAINABLE PERFORMANCE
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	deodata.aanya@gmail.com
ADDITIONAL-EMAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	..
REQUEST FOR EXAMINATION DATE	
PUBLICATION DATE (U/S 11A)	16/09/2022

Application Status

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Application Details

APPLICATION NUMBER	202211051656
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/09/2022
APPLICANT NAME	1. Dr. Yogendra Kumar Rajoria 2. Dr. Rahul Boadh 3. Jitendra Kumar 4. Agnivesh Tiwari 5. Dr. Sanjay Kumar Padaliya 6. Dr. Anubhav Pratap Singh
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE BASED SMART SYSTEM TO MONITOR AND PREDICT THE PERFORMANCE OF EMPLOYEES FOR HUMAN RESOURCES MANAGEMENT WITH TREMENDOUS GROWTH OF INDUSTRY
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	yogendararajo@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	yogendararajo@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	16/09/2022

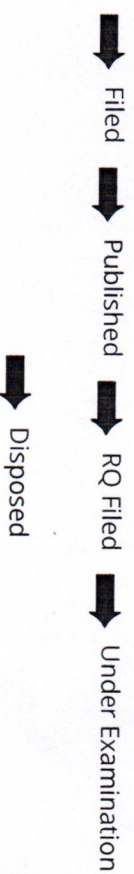
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Patent Search

ORAL HYGIENE IMPROVING COMPOSITION AND METHOD

Invention Title	ORAL HYGIENE IMPROVING COMPOSITION AND METHOD		
Publication Number	36/2022		
Publication Date	09/09/2022		
Publication Type	INA		
Application Number	202241050500		
Application Filing Date	05/09/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	MECHANICAL ENGINEERING		
Classification (IPC)	B60W0020100000, B60K0006480000, B60W0030180000, B62D0025080000, C09K0008580000		
Inventor			
Name	Address	Country	
Dr Anoop Kumar N	Associate Professor, School of Family Health Studies, Kerala University of Health Sciences, Government Medical College Campus, Kozhikode, Kerala	India	
Dr Sandhya S	Professor and Head Department of Pharmacology, PSM College of Dental Science and Research, Akkikavu, Thrissur District Kerala	India	
Dr. Manoj M. Gadevar	Dept. of Pharmacology, School of Medical and Allied Sciences, K R Mangalam University, Gurugram-122103, HR	India	
Mr. Debashish Paramnick	Dept. of Pharmacology, School of Medical and Allied Sciences, K R Mangalam University, Gurugram-122103, HR	India	
Dr Sabin Siddique K P	Professor and Head, Department of Public Health Dentistry, MES Dental College, Palachode PO Perinthumanna, Kerala	India	
Dr Mayya M	Chief Dental Surgeon, Arw's Multi-Specialty Dental Clinic, Kakkodi, Kozhikode, Kerala	India	
Applicant			
Name	Address	Country	
Dr Anoop Kumar N	Associate Professor, School of Family Health Studies, Kerala University of Health Sciences, Government Medical College Campus, Kozhikode, Kerala	India	
Dr Sandhya S	Professor and Head Department of Pharmacology, PSM College of Dental Science and Research, Akkikavu, Thrissur District Kerala	India	
Dr. Manoj M. Gadevar	Dept. of Pharmacology, School of Medical and Allied Sciences, K R Mangalam University, Gurugram-122103, HR	India	
Mr. Debashish Paramnick	Dept. of Pharmacology, School of Medical and Allied Sciences, K R Mangalam University, Gurugram-122103, HR	India	
Dr Sabin Siddique K P	Professor and Head, Department of Public Health Dentistry, MES Dental College, Palachode PO Perinthumanna, Kerala	India	
Dr Mayya M	Chief Dental Surgeon, Arw's Multi-Specialty Dental Clinic, Kakkodi, Kozhikode, Kerala	India	

Abstract:

Title: ORAL HYGIENE IMPROVING COMPOSITION AND METHOD ABSTRACT Method for treating pellicle and plaque formation which includes contacting sites of plaque and growth with dental preparation containing certain fatty acid amido compounds and/or salts thereof and dental preparations containing the fatty acid amido compounds and/or salts thereof. Claims: 7

Complete Specification

Description: ORAL HYGIENE IMPROVING COMPOSITION AND METHOD

BACKGROUND

[001] Field of the invention
 [002] Embodiments of the present invention generally relate to an oral hygiene product and more specifically to a dental preparations containing the fatty acid compounds and/or salts and a method for treating pellicle and plaque formation by contacting sites of plaque formation and growth with certain fatty acid amido compounds and/or salts thereof.

[003] Description of related art

[004] Dental pellicle is a soft deposit tenaciously held on the surf. aces of the teeth which includes salivary protein. Dental plaque is a product of microbial growth tenaciously attached to the surfaces of the teeth and adjacent gingiva, and exhibits a definite microscopic structure.

[005] If not removed, the plaque will become mineralized to form calculus and eventually lead to dental caries. Dental experts generally believe that calculus, als as tartar, is dental plaque which has become mineralized with calcium phosphate, magnesium phosphate, calcium carbonate and other trace minerals found in the If calculus is not removed from around the teeth and under the gum, inflammation can result which can ultimately lead to periodontal disease and subsequent too [006] Although plaque can be removed from the teeth by thorough abrasive action, it quickly reforms on the tooth surface. Accordingly, the incidence of dental c and subsequent periodontal disease can be reduced by reducing or preventing the deposition of plaque and by means which prevent mineralization of the plaque.

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Application Details

APPLICATION NUMBER 202211047396
APPLICATION TYPE ORDINARY APPLICATION
DATE OF FILING 19/08/2022
APPLICANT NAME

1. Satish Kumar
2. Mukesh Kumar
3. Nitesh Kumar
4. Dr. Yogendra Kumar Rajoria
5. Dr. Rahul Boadh
6. Dr. Chandra Mohan

TITLE OF INVENTION MACHINE LEARNING-BASED AUTOMATIC WASTE MANAGEMENT FOR E-ENVIRONMENT

FIELD OF INVENTION MECHANICAL ENGINEERING

E-MAIL (As Per Record) satishataria47@gmail.com

ADDITIONAL-E-MAIL (As Per Record) satishataria47@gmail.com

E-MAIL (UPDATED Online)

PRIORITY DATE

REQUEST FOR EXAMINATION DATE

PUBLICATION DATE (U/S 11A) 02/09/2022

Application Status

APPLICATION STATUS

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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination

➡ Disposed

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Invention Title SYNTHESIS, CHARACTERIZATION AND EVALUATION OF INTERFERMIDE-A AS POTENTIAL ANTIMICROBIAL AND ANTICANCER AGENT

Publication Number 34/2022

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Application Number 202211046268

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Priority Date

Field Of Invention BIOTECHNOLOGY

Classification (IPC) A61K0038000000, C07K0076400000, C12Q0001020000, C12Q0001180000, A61K0031704000

Inventor

Name	Address	Country
DR. ABHISHEK TIWARI	Pharmacy Academy, IFTM University, Lodhpur, Rajput, Moradabad (U. P.)-244102	India
DR. SURESH KUMAR	Bharat Institute of Pharmacy, Pehladpur, Babain, Kurukshetra, Haryana-136156, India	India
DR. VABSHA TIWARI	Pharmacy Academy, IFTM University, Lodhpur, Rajput, Moradabad (U. P.)-244102	India
DR. MANISH KUMAR	MM College of Pharmacy, Mahanishi Markandeswar Deemed to be University, Mullana, Ambala-133207, Haryana, India	India
DR. RENU SAHARAN	MM College of Pharmacy, Mahanishi Markandeswar Deemed to be University, Mullana, Ambala-133207, Haryana, India	India
DR. PANKAJ GUPTA	Department of Pharmaceutical Sciences, School of Medical & Allied Sciences, K. R. Mangalam University, Sonna Road, Gurugram-122103, Haryana, India	India
DR. AJAY PAL SINGH	Department of Pharmaceutical Sciences, School of Medical & Allied Sciences, K. R. Mangalam University, Sonna Road, Gurugram-122103, Haryana, India	India
DR. ASHUTOSH AGGARWAL	Department of Pharmacology, Seth G. L. Bhanu S. D. College of Tech Education, Siranganagar, Rajasthan-335501, India	India

Applicant

Name	Address	Country
DR. ABHISHEK TIWARI	Pharmacy Academy, IFTM University, Lodhpur, Rajput, Moradabad (U. P.)-244102	India
DR. SURESH KUMAR	Bharat Institute of Pharmacy, Pehladpur, Babain, Kurukshetra, Haryana-136156, India	India
DR. VABSHA TIWARI	Pharmacy Academy, IFTM University, Lodhpur, Rajput, Moradabad (U. P.)-244102	India
DR. MANISH KUMAR	MM College of Pharmacy, Mahanishi Markandeswar Deemed to be University, Mullana, Ambala-133207, Haryana, India	India
DR. RENU SAHARAN	MM College of Pharmacy, Mahanishi Markandeswar Deemed to be University, Mullana, Ambala-133207, Haryana, India	India
DR. PANKAJ GUPTA	Department of Pharmaceutical Sciences, School of Medical & Allied Sciences, K. R. Mangalam University, Sonna Road, Gurugram-122103, Haryana, India	India
DR. AJAY PAL SINGH	Department of Pharmaceutical Sciences, School of Medical & Allied Sciences, K. R. Mangalam University, Sonna Road, Gurugram-122103, Haryana, India	India
DR. ASHUTOSH AGGARWAL	Department of Pharmacology, Seth G. L. Bhanu S. D. College of Tech Education, Siranganagar, Rajasthan-335501, India	India

Abstract:

The present invention reports the synthesis of cyclic heptapeptide, Interfermide-A which was previously isolated from latex of *Jatropha integririma*, accomplished in coupling of tetra peptide fragment (Ileu-Gly-L-Leu-L-Leu-OMe) with tri peptide fragment (L-Tyr-L-Pro-L-Tyr-OMe) followed by cyclization of the linear heptapeptide under alkaline condition. The formation of newly synthesized cyclic compound was confirmed by means of spectral techniques including FT-IR, ¹H-NMR, Mass spectrometry with elemental analyses. Interfermide-A was subjected for biological screening to evaluate antimicrobial and anticancer activities. The anti-bacterial activity was carried using Gram +ve bacteria (*B. subtilis*, *S. epidermidis*) and Gram -ve bacteria (*E. coli*, *P. aeruginosa*, *S. aureus* and *K. pneumoniae*). The anti-fungal activity was performed using fungal strains like *C. albicans*, *A. niger*, *T. mentagrophytes* and *M. audouinii*. Similarly, the cytotoxic activity of synthesized cyclic peptide was carried out through MTT Dose-response as standard drug on HCT116 and B16F10 cell lines. The cytotoxic effect was evaluated by determining the percentage inhibition of growth of HCT116 and B16F10 cell lines. Then CTC50 (Concentration of test drug needed to inhibit cell growth by 50%) values were calculated by graphical extrapolation method. Different concentration control and standard drug (120-7.5 µg/ml) were used for the cytotoxicity study. It was observed that this cyclic peptide exhibited significant antimicrobial and cytotoxic against cancer cell lines.

Complete Specification

FIELD OF THE INVENTION

The present invention relates to synthesis, characterization and evaluation of Interfermide-A as potential antimicrobial and anticancer agent.

BACKGROUND OF THE INVENTION

References which are cited in the present disclosure are not necessarily prior art and therefore their citation does not constitute an admission that such references prior art in any jurisdiction. All publications, patents and patent applications herein are incorporated by reference to the same extent as if each individual or patent application was specifically and individually indicated to be incorporated by reference.

Several patents have been issued for the synthesis of cyclic heptapeptide and its applications. For example, US9186391B2 provided cyclic peptide inhibitors of lysin specific demethylase 1. These cyclic peptides have the potential to treat cancer, diabetes, cardiovascular disease, and neurological disorders.

Another patent, JP2012120478A provides to create transformed *Jatropha* which is excellent in growth and stress tolerance, by identifying a gene encoding PPAT (Phosphoantennine Adenyl-Transferase) derived from *Jatropha* and then creating a transformant using the gene. There are provided an isolated DNA of a specific sequence encoding a PPAT derived from *Jatropha*, and a transformed *Jatropha* plant by using the DNA. The transformed *Jatropha* plant overexpresses PPAT compared to the wild type, and shows enhanced growth and higher oil and fat production.

Another patent, JP630281B2 a polynucleotide encoding Phosphoantennine Adenyl-transferase (hereinafter referred to as "PPAT") as a novel gene of the genus *J. integririma* and use thereof to use for producing stress-resistant *Jatropha* with enhanced growth.

Another invention JP2007206475 A is a cyclic peptide exhibiting strong antimicrobial properties, and was shown stable in human blood fluid such as serum, but lacks

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Application Details

APPLICATION NUMBER	202211046269
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	13/08/2022
APPLICANT NAME	1. Dr. ABHISHEK TIWARI 2. Dr. SURESH KUMAR 3. Dr. VARSHA TIWARI 4. Dr. MANISH KUMAR 5. Dr. RENU SAHARAN 6. Dr. PANKAJ GUPTA 7. Dr. A. R. VIJAYAKUMAR 8. Dr. MEENA BHANDARI
TITLE OF INVENTION	METHODS OF SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL EVALUATION OF CYCLO-OCTAPEPTIDE, CYCLOGLOSSINE-B
FIELD OF INVENTION	BIOTECHNOLOGY
E-MAIL (As Per Record)	ashish.iprindia@hotmail.com
ADDITIONAL-EMAIL (As Per Record)	ashish.iprindia@hotmail.com
E-MAIL (UPDATED Online)	
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REQUEST FOR EXAMINATION DATE	20/01/2023
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Application Status

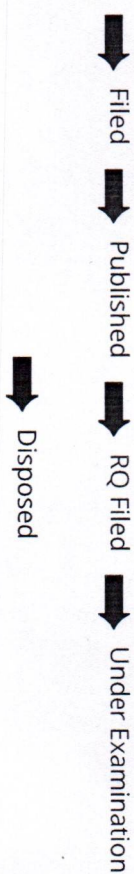
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APPLICATION STATUS

Withdrawn Under Section 11B(4)(1)

Order(s)/Decision(s)

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Ship to Main Content

Patent Search

Invention Title	DIABETIC WOUND HEALING METHOD BY PERFORMING IN VITRO AND IN VIVO EVALUATION USING POLYMERIC FILM USING FLUOXETINE RETINOIC ACID		
Publication Number	33/2022		
Publication Date	19/08/2022		
Publication Type	INA		
Application Number	202241043392		
Application Filing Date	28/07/2022		
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Priority Date			
Field Of Invention	CHEMICAL		
Classification (IPC)	C01G0009020000, B01J0035000000, A61K0048000000, H01L0031180000, C01B0039480000		
Inventor			
Name	Address	Country	
Mrs. Segu Prathyusha	Research Scholar, VEIS INSTITUTE of Science, Technology and Advanced studies (VISTA), P. V. Vaithiyalingam Rd, Velan Nagar, Krishnapuram, Pallavaram, Chennai, Tamil Nadu 600117	India	
Dr. Pushpendra Kumar	Assistant professor Faculty of Pharmacy Uttar Pradesh University of Medical Sciences Safai, Etawah, Pin Code-206130, Uttar Pradesh, India	India	
Dr. Vijay Kumar Yadav	Assistant Professor, Department of Pharmacy Dr. Bhimrao Ambedkar University Chalesar Campus, Agra 282006, Uttar Pradesh, India	India	
Mrs. Rajni Dubey	Associate professor, School of Pharmacy and Research, People's University Bhopal, Pin- 462037, Madhya Pradesh, India	India	
Mr. Hitesh Dutt	Associate professor, School of Pharmacy and Research, People's University Bhopal, Pin- 462037, Madhya Pradesh, India	India	
Ms. Sweeta Sinha	Asst professor, LICIT School of Pharmacy, Raipur Road, Chirchirda, Bilaspur, Pin-495223, Chhattisgarh	India	
Dr. Bhagwat Niruttrao Poul	Principal, Maharashtra Poly (D Pharm) Institute, Main Road, Nilanga, Tal: Nilanga, Latour-413521, Maharashtra, India	India	
Dr. Rahul Shivajirao Solunke	HOD & Associate Professor, Department of Pharmaceutics, Maharashtra College of Pharmacy, Main Road, Nilanga, Tal: Nilanga, Latour-413521, Maharashtra, India	India	
Mr. Mohit Agrawal	Assistant Professor, Department of Pharmacology, School of Medical & Allied Sciences, K.R. Mangalam University, Gurugram, Pin- 122103 Haryana, India	India	
Dr. Karrool Kumar Sahu	Assistant Professor, Institute of Pharmaceutical Research, GLA University, Mathura, UP, 281406	India	
Ms. Shikha Goswami	PhD Scholar, Delhi Pharmaceutical Sciences and research University, New Delhi, 110017	India	
Mr. Ayush Garg	Associate Professor, Department of Pharmaceutics, Pacific College of Pharmacy, PAHER University, Pacific Hills, Pratap Nagar Extension, Airport Road, Debari, Udaipur-313024, Rajasthan	India	
Applicant			

Name	Address	Country
Mrs. Segu Prathyusha	Research Scholar, VEIS INSTITUTE of Science, Technology and Advanced studies (VISTA), P. V. Vaithiyalingam Rd, Velan Nagar, Krishnapuram, Pallavaram, Chennai, Tamil Nadu 600117	India
Dr. Pushpendra Kumar	Assistant professor Faculty of Pharmacy Uttar Pradesh University of Medical Sciences Safai, Etawah, Pin Code-206130, Uttar Pradesh, India	India
Dr. Vijay Kumar Yadav	Assistant Professor, Department of Pharmacy Dr. Bhimrao Ambedkar University Chalesar Campus, Agra 282006, Uttar Pradesh, India	India
Mrs. Rajni Dubey	Associate professor, School of Pharmacy and Research, People's University Bhopal, Pin- 462037, Madhya Pradesh, India	India
Mr. Hitesh Dutt	Associate professor, School of Pharmacy and Research, People's University Bhopal, Pin- 462037, Madhya Pradesh, India	India
Ms. Sweeta Sinha	Asst professor, LICIT School of Pharmacy, Raipur Road, Chirchirda, Bilaspur, Pin-495223, Chhattisgarh	India
Dr. Bhagwat Niruttrao Poul	Principal, Maharashtra Poly (D Pharm) Institute, Main Road, Nilanga, Tal: Nilanga, Latour-413521, Maharashtra, India	India
Dr. Rahul Shivajirao Solunke	HOD & Associate Professor, Department of Pharmaceutics, Maharashtra College of Pharmacy, Main Road, Nilanga, Tal: Nilanga, Latour-413521, Maharashtra, India	India
Mr. Mohit Agrawal	Assistant Professor, Department of Pharmacology, School of Medical & Allied Sciences, K.R. Mangalam University, Gurugram, Pin- 122103 Haryana, India	India
Dr. Karrool Kumar Sahu	Assistant Professor, Institute of Pharmaceutical Research, GLA University, Mathura, UP, 281406	India
Ms. Shikha Goswami	PhD Scholar, Delhi Pharmaceutical Sciences and research University, New Delhi, 110017	India
Mr. Ayush Garg	Associate Professor, Department of Pharmaceutics, Pacific College of Pharmacy, PAHER University, Pacific Hills, Pratap Nagar Extension, Airport Road, Debari, Udaipur-313024, Rajasthan	India

Abstract

DIABETIC WOUND HEALING METHOD BY PERFORMING IN VITRO AND IN VIVO EVALUATION USING POLYMERIC FILM USING FLUOXETINE AND RETINOIC ACID A methic analysis of aluminum incorporated zinc squalene films for antibacterial activity. The method includes depicting the XRD peaks of pure and Al- incorporated ZnO squalene which are post-annealed at 300°C, wherein the hexagonal Wurtzite form of the deposited films is confirmed by the diffraction peaks, which match the 36-1451 JCPDS. Changing the microstrain and crystallite size with variation in Al content, indicating a potential reduction in crystallite size as evidenced by the broadening of the diffraction peaks. Doping the squalene film of ZnO in pure form and also squalene films of ZnO Al with a scan region of 3x3µm. The bandgap for pure ZnO squalene film is 3.15eV bandgap for (1, 3, and 5) % Al incorporated ZnO squalene films are 3.12eV, 3.10eV, and 3.06eV, FIG. 1

Complete Specification

Description: DIABETIC WOUND HEALING METHOD BY PERFORMING IN VITRO AND IN VIVO EVALUATION USING POLYMERIC FILM USING FLUOXETINE AND RETINOIC ACID BACKGROUND

Technical Field [0001] The embodiments herein generally relate to diabetic wound healing method and, more particularly, relate to diabetic wound healing method by performing in vitro and in vivo evaluation using polymeric film using fluoxetine and retinoic acid.

Description of the Related Art [0002] Optimization of a host response to a biomaterial, e.g., used as a tissue engineering scaffold, is important for promoting tissue regeneration and/or wound healing.

Many factors, such as the biodegradability, surface characteristics, size, and/or chemical composition of the biomaterial, can affect the level of the inflammatory response induced.

[0003] The size and/or shape of a biomaterial can contribute to the inflammatory reaction. By way of example only, silk fibron particles of different sizes can induce different degrees of inflammatory response when they are seeded on macrophages (M2). Previous reports on effect of poly(lactic-co-glycolic acid) (PLGA) particles on adjuvant systems for immunization showed that microparticles (~5 µm ~7 µm) cannot be phagocytosed by murine macrophages with the same and they demonstrate nanoparticles (~389 nm) but instead attach to cell membrane and constitute more potent inflammatory stimulus (38). Additionally, PLGA (poly(lactic-co-glycolic acid) nanoparticles (~265 nm) have been shown to be phagocytosed in rats synovium by macrophages and then delivered to the deep underlying tissues almost without inflammatory responses, but by PLGA microbeads (~265 µm) were not phagocytosed (40). Another research report analyzed the effect of titanium dioxide nanomaterials.

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Application Details

APPLICATION NUMBER	202211042593
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	25/07/2022
APPLICANT NAME	1. Dr. Tania Gupta 2. Dr. A. Jalaludeen 3. Dr. Pradeep Kumar Dwivedi 4. Dr. Jayanthi Rajendran 5. Dr. C. Gladson Clifford Joe 6. Dr. Anshul Saluja
TITLE OF INVENTION	METHOD TO STUDY IMPACT OF ONLINE CLASSROOM PLATFORM LEARNING AND COLLABORATION AT TEACHER EDUCATION LEVEL
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	tania.gupta@krmangalam.edu.in
ADDITIONAL-EMAIL (As Per Record)	tania.gupta@krmangalam.edu.in
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
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APPLICATION STATUS

Application Status

Awaiting Request for Examination

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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination
➡ Disposed

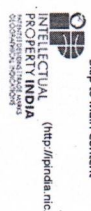
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Patent Search

Invention Title	ON-DEMAND ORDERING FOOD THROUGH ONLINE CROWDSOURCING USING MACHINE LEARNING.		
Publication Number	29/2022		
Publication Date	22/07/2022		
Publication Type	INA		
Application Number	202211040140		
Application Filing Date	13/07/2022		
Priority Number			
Priority Country			
Priority Date			
Field of Invention Classification (IPC)	COMPUTER SCIENCE		
Inventor	G06Q0010060000, G06Q0030060000, G06N0020000000, G06Q0010080000, G06F0016350000		

Name	Address	Country
Dr. Sanesh Lara Yadav	Assistant Professor, Department of Computer Science & Engineering, Faculty of Engineering & Technology, SCT University, Gurugram, Haryana, India.	India
Prof. (Dr.) Anupam Kumar Sharma	Professor, School of Computing Science & Engineering, Galgotias University, Plot No. 2, Yamuna Expy, Opposite, Buddha International Circuit, Sector 17A, Greater Noida, Uttar Pradesh 203201.	India
Dr. Tamy Chamla	Assistant Professor, Department of Computer Science & Engineering, Faculty of Engineering & Technology, SCT University, Gurugram, Haryana, India.	India
Aisha Dhanthar	Assistant Professor, Department of Computer Science & Engineering, Faculty of Engineering & Technology, SCT University, Gurugram, Haryana, India.	India
Reenu Batta	Assistant Professor, Department of Computer Science & Engineering, Faculty of Engineering & Technology, SCT University, Gurugram, Haryana, India.	India
Dr. Prashant Vats	Assistant Professor, Department of Computer Science & Engineering, Faculty of Engineering & Technology, SCT University, Gurugram, Haryana, India.	India
Jayant Bhardwaj	Assistant Professor, Department of Electronics and Communication Engineering, Bhagwan Parshuram Institute of Technology, Aff. to GGSIPU, PSP-4, Dr. K.N. Kajli Marg, Sector 17, Rohini, New Delhi, 110089, India.	India
Dr. Rajesh Yadav	Assistant Professor, Department of Computer Science, School of Engineering and Technology, BML Munjal University, Gurugram, Haryana, India.	India
Prof. (Dr.) Ritu Sindhu	Professor & Director, Dronacharya College of Engineering, Maharshi Dayanand University, Kehtawas, Farukh Nagar, Gurugram, Haryana, Pin-123506, India.	India
Dr. Sarita	Assistant Professor, Department of Computer Science and Engineering, K. R. Mangalam University, Sohna Rd, Sohna Rural, Gurugram district, Haryana, India.	India
Dr. Pawan Kumar Sharma	Associate Professor, Department of Electronics and Communication Engineering, Bhagwan Parshuram Institute of Technology, Aff. to GGSIPU, PSP-4, Dr. K.N. Kajli Marg, Sector 17, Rohini, New Delhi, 110089, India.	India
Applicant		

Name	Address	Country
Dr. Sanesh Lara Yadav	Assistant Professor, Department of Computer Science & Engineering, Faculty of Engineering & Technology, SCT University, Gurugram, Haryana, India.	India
Prof. (Dr.) Anupam Kumar Sharma	Professor, School of Computing Science & Engineering, Galgotias University, Plot No. 2, Yamuna Expy, Opposite, Buddha International Circuit, Sector 17A, Greater Noida, Uttar Pradesh 203201.	India
Dr. Tamy Chamla	Assistant Professor, Department of Computer Science & Engineering, Faculty of Engineering & Technology, SCT University, Gurugram, Haryana, India.	India
Aisha Dhanthar	Assistant Professor, Department of Computer Science & Engineering, Faculty of Engineering & Technology, SCT University, Gurugram, Haryana, India.	India
Reenu Batta	Assistant Professor, Department of Computer Science & Engineering, Faculty of Engineering & Technology, SCT University, Gurugram, Haryana, India.	India
Dr. Prashant Vats	Assistant Professor, Department of Computer Science & Engineering, Faculty of Engineering & Technology, SCT University, Gurugram, Haryana, India.	India
Jayant Bhardwaj	Assistant Professor, Department of Electronics and Communication Engineering, Bhagwan Parshuram Institute of Technology, Aff. to GGSIPU, PSP-4, Dr. K.N. Kajli Marg, Sector 17, Rohini, New Delhi, 110089, India.	India
Dr. Rajesh Yadav	Assistant Professor, Department of Computer Science, School of Engineering and Technology, BML Munjal University, Gurugram, Haryana, India.	India
Prof. (Dr.) Ritu Sindhu	Professor & Director, Dronacharya College of Engineering, Maharshi Dayanand University, Kehtawas, Farukh Nagar, Gurugram, Haryana, Pin-123506, India.	India
Dr. Sarita	Assistant Professor, Department of Computer Science and Engineering, K. R. Mangalam University, Sohna Rd, Sohna Rural, Gurugram district, Haryana, India.	India
Dr. Pawan Kumar Sharma	Associate Professor, Department of Electronics and Communication Engineering, Bhagwan Parshuram Institute of Technology, Aff. to GGSIPU, PSP-4, Dr. K.N. Kajli Marg, Sector 17, Rohini, New Delhi, 110089, India.	India

Abstract:

The present disclosure envisages method and a system for on-demand ordering food through online crowdsourcing using machine learning (OCD). The system prok technique to gather the information related to order placed in nearby restaurants and create a solution for that based on extractions of multiple nearby placed orc different locations to one geographical indication. After that system assigned the task to delivery person based on a real-time along with any return task on available allocation of food duties and generating massive distribution networks in real-time, a mixed meta - heuristic optimization solution method meeting the adaptable big neighborhood searching and socially stratigatized search techniques is developed. Riders from the crowd are constantly distributed among various food vendors. The technique is evaluated using both modeled comparatively try and truly huge on-demand online food scenarios.

Complete Specification

TECHNICAL FIELD:

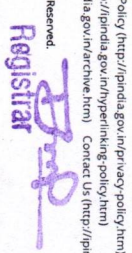
The present disclosure relates to the field of food ordering and supplying systems utilizing machine learning. More specifically, the invention belongs to the field of intelligence which uses the machine learning in the techniques of on demand ordering food through online crowdsourcing using machine learning.

BACKGROUND

Now a days in the metro cities mostly working people depended on the deliverable food to satiate the hunger. To fulfill the requirements of the people who depend deliverable foods there are more accuracy required to deliver the user foods on time as fast as possible in maximum accuracy. Due advancement of technology the most online services available where the people can order the foods and get their delivery wherever want. But still the problem faced during this process most of the spoiled on searching the food of choice and order them which consumes user time. Further, if the order was placed from the far restaurant their charges also raise user unable to get their placed order on real time.

Intelligent urban living is becoming more common as internet-based (O2O) shopping via cell phones becomes more common. The on-demand food industry, for ex brings together a huge variety of small catering services, clients, and messengers to deliver omnipresent and affordable food services. Provisioning establishments orders from people via their cellphones or laptops and produce customized meals and beverages. The meal is then delivered as quickly as possible to the appropriate consumers via couriers. As a result, to serve this burgeoning industry, convenient and dynamic food distribution is necessary. Further, the prevalence of online-to-o (O2O) commerce using smartphones has led to irrevocable popularity of smart urban living (1)-(6). In particular, the on-demand food business involve large numbers

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K.R. Mangalam University
 Sohna Road, Gurugram (Haryana)



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Application Details

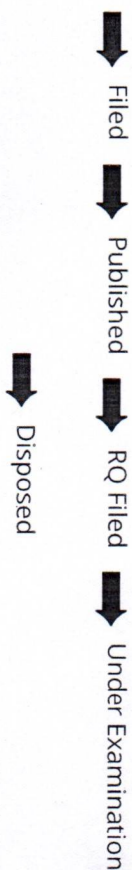
APPLICATION NUMBER	202211040752
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/07/2022
APPLICANT NAME	1. Dr. Anil Kumar 2. Dr. Asha Dahiya 3. Dr. Chandra Mohan 4. Dr. Reena 5. Dr. Amita Singh
TITLE OF INVENTION	NANO FABRICATION OF NANOPARTICLES TO SOLAR CELLS FOR MAXIMUM ABSORPTION OF SOLAR ENERGY
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	anilcollegemail@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	anilcollegemail@gmail.com
E-MAIL (UPDATED Online)	
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APPLICATION STATUS

Application Status

Awaiting Request for Examination

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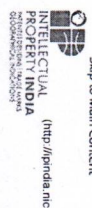
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Patent Search

Invention Title BIOMEDICAL INTERVENTIONS FOR ANALYSING THE PROTEINS AND GENETIC FACTORS THAT ARE RESPONSIBLE FOR CAUSING CANCER

Publication Number 27/2022

Publication Date 08/07/2022

Publication Type INA

Application Number 202241035945

Application Filing Date 22/06/2022

Priority Number

Priority Country

Priority Date

Field Of Invention BIO-MEDICAL ENGINEERING

Classification (IPC) G16H0050700000, G16H0010600000, G06N0030400000, G11C0011540000, G16H0080000000

Inventor

Name

SUJITH RAO

Address

ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY, SRM MEDICAL COLLEGE HOSPITAL AND RESEARCH CENTRE, FACULTY OF MEDICINE AND HEALTH SCIENCES, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, SRM NAGAR, KATTANKULATHUR - 603203, CHENGALUPATTU.

Country

INDIA

NIJU KUMARI

Address

ASSISTANT PROFESSOR, SCHOOL OF PHARMACY, CHOUKSEY ENGINEERING COLLEGE, BILASPUR - 495004, CHHATTISGARH, INDIA

Country

INDIA

DR. S. K. LANJHIMANA

Address

ASSISTANT PROFESSOR, INSTITUTE OF PHARMACEUTICAL SCIENCES, GURU GHASIDAS VISHWANIDYALAYA, BILASPUR - 495009, CHHATTISGARH, INDIA

Country

INDIA

MR. CHHATRAPAL

Address

ASSISTANT PROFESSOR, GANPATI COLLEGE OF PHARMACY, DANTEWADA - 494449, CHHATTISGARH, INDIA

Country

INDIA

VAIBHAV SARJERAO

Address

ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, DR. D.Y. PATIL INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH, PUNE 411018

Country

INDIA

DR. V. BHOOPATY

Address

PROFESSOR, DEPARTMENT OF CSE, MALLA REDDY COLLEGE OF ENGINEERING SECUNDERABAD

Country

INDIA

NEHA SRIVASTAVA

Address

ASSISTANT PROFESSOR, FACULTY OF PHARMACEUTICAL SCIENCES, RAMA UNIVERSITY MANDHANNA KANPUR, 209217

Country

INDIA

DR. HARISHCHANDER

Address

ASSISTANT PROFESSOR, CENTRE FOR EXCELLENCE IN COMPUTATIONAL ENGINEERING AND NETWORKING, AMRITA VISHWA VIDYAPEETHAM, COIMBATORE - 641112, TAMIL NADU, INDIA

Country

INDIA

ANANDARAM

Address

ASSISTANT PROFESSOR, DEPARTMENT OF BIOTECHNOLOGY, GRAPHIC ERA DEEMED TO BE UNIVERSITY, DEHRADUN, UTTARAKHAND, INDIA 248002

Country

INDIA

DR. DEVVRET VERMA

Address

ASSISTANT PROFESSOR, DEPT. OF PHARMACY, K. R. MANGALAM UNIVERSITY, GURUGRAM 122103

Country

INDIA

SUNIL KUMAR

Address

ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACY, OM STERLING GLOBAL UNIVERSITY, HISAR.

Country

INDIA

DR. VINOD KUMAR

Address

ASSOCIATE PROFESSOR, DEPARTMENT OF PHARMACY, OM STERLING GLOBAL UNIVERSITY, HISAR.

Country

INDIA

Applicant

INDIA

Name Address Country
 SUJITH RAO ASSISTANT PROFESSOR, DEPARTMENT OF MICROBIOLOGY, SRM MEDICAL COLLEGE HOSPITAL AND RESEARCH CENTRE, FACULTY OF MEDICINE AND HEALTH SCIENCES, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, SRM NAGAR, KATTANKULATHUR - 603203, CHENGALUPATTU. India
 NIJU KUMARI ASSISTANT PROFESSOR, SCHOOL OF PHARMACY, CHOUKSEY ENGINEERING COLLEGE, BILASPUR - 495004, CHHATTISGARH, INDIA India
 DR. SWEETY LANJHIMANA ASSISTANT PROFESSOR, INSTITUTE OF PHARMACEUTICAL SCIENCES, GURU GHASIDAS VISHWANIDYALAYA, BILASPUR - 495009, CHHATTISGARH, INDIA India
 DR. S. K. LANJHIMANA ASSISTANT PROFESSOR, INSTITUTE OF PHARMACEUTICAL SCIENCES, GURU GHASIDAS VISHWANIDYALAYA, BILASPUR - 495009, CHHATTISGARH, INDIA India
 MR. CHHATRAPAL ASSISTANT PROFESSOR, GANPATI COLLEGE OF PHARMACY, DANTEWADA - 494449, CHHATTISGARH, INDIA India
 VAIBHAV SARJERAO ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACEUTICAL CHEMISTRY, DR. D.Y. PATIL INSTITUTE OF PHARMACEUTICAL SCIENCES AND RESEARCH, PUNE 411018 India
 DR. V. BHOOPATY PROFESSOR, DEPARTMENT OF CSE, MALLA REDDY COLLEGE OF ENGINEERING SECUNDERABAD India
 NEHA SRIVASTAVA ASSISTANT PROFESSOR, FACULTY OF PHARMACEUTICAL SCIENCES, RAMA UNIVERSITY MANDHANNA KANPUR, 209217 India
 DR. HARISHCHANDER ASSISTANT PROFESSOR, CENTRE FOR EXCELLENCE IN COMPUTATIONAL ENGINEERING AND NETWORKING, AMRITA VISHWA VIDYAPEETHAM, COIMBATORE - 641112, TAMIL NADU, INDIA India
 ANANDARAM ASSISTANT PROFESSOR, DEPARTMENT OF BIOTECHNOLOGY, GRAPHIC ERA DEEMED TO BE UNIVERSITY, DEHRADUN, UTTARAKHAND, INDIA 248002 India
 DR. DEVVRET VERMA ASSISTANT PROFESSOR, DEPT. OF PHARMACY, K. R. MANGALAM UNIVERSITY, GURUGRAM 122103 India
 SUNIL KUMAR ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACY, OM STERLING GLOBAL UNIVERSITY, HISAR. India
 DR. VINOD KUMAR ASSISTANT PROFESSOR, DEPARTMENT OF PHARMACY, OM STERLING GLOBAL UNIVERSITY, HISAR. India

Abstract

Biomedical interventions for analysing the proteins and genetic factors that are responsible for causing cancer is the proposed invention. The invention aims to implement techniques of medicine and biology integrated with artificial intelligence to study the causes of cancer in depth. The proteins and genetic factors that are responsible for causing cancer are analysed in forefront with the invention of addressing flaws inherent in existing system.

Complete Specification

Description: [0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art. [0002] Cancer is a group of diseases involving abnormal cell growth with the potential to invade or spread to other parts of the body. The majority of cancers, so 95% of cases are due to genetic mutations from environmental and lifestyle factors. The remaining 5-10% are due to inherited genetics. [0003] A number of different types of cancer causes analysis systems that are known in the prior art. For example, the following patents are provided for their suggestions and are all incorporated by reference. [0004] Patents in genomics and human genetics are scientifically fundamental and commercially valuable. These fields grew to prominence in an era of growth in government and nonprofit research funding, and of even greater growth of privately funded research and development in biotech and pharmaceuticals. Patents on DNA technologies are a central feature of this story, illustrating how patent law adapts—and sometimes fails to adapt—to emerging genomic technologies. In instrumentation and for therapeutic proteins, patents have largely played their traditional role of inducing investment in engineering and development, including expensive post-discovery clinical research to prove safety and efficacy. Patents on methods and DNA sequences relevant to clinical genetic will comfort uncertainty about infringing granted patents but, jurisprudence trends away from upholding the broadest and potentially most troublesome patent claims [0005] Patenting and licensing in genetic testing, ethical, legal and social issues the institution of a patent is very old, but its emergence in the field of genetics has produced many. The flow of patients on human genomes has raised practical and ethical concerns, particularly in Europe. A large part of public opinion is against the

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Application Details

APPLICATION NUMBER	20223103186
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/06/2022
APPLICANT NAME	1. Dr. Shruti Mohapatra 2. Dr. Gomathi Jawahar 3. Dr. Tanja Gupta 4. Dr. Jitender Bhandari 5. Dr. Salineeta Chaudhuri 6. Prof. Anuradha Jain 7. Dr. G. Vani 8. Dr. Sudha Vepa 9. Khushboo 10. Dr. S. Saravanan 11. Dr. Eka Mishra 12. Sruthi S
TITLE OF INVENTION	A SYSTEM FOR MEASURING MEDIATING EFFECT OF GLOBALIZATION ON INCOME DISTRIBUTION IN EMERGING ECONOMIES
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	shruti.m@srisriuniversity.edu.in
ADDITIONAL-E-MAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	08/07/2022

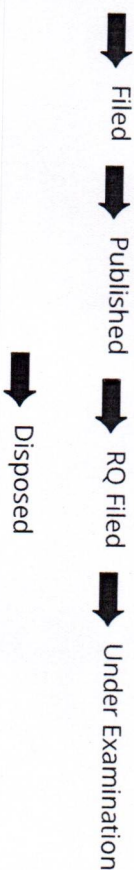
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Invention Title	BIO-TECHNICAL INTERVENTIONS FOR PRECISION AGRICULTURAL ASPECTS ALONG WITH CROP MONITORING ANALYSIS		
Publication Number	26/2022		
Publication Date	01/07/2022		
Publication Type	INA		
Application Number	202211035299		
Application Filing Date	20/06/2022		
Priority Number			
Priority Country			
Priority Date			
Field of Invention	MECHANICAL ENGINEERING		
Classification (IPC)	A01B0079000000, C12N0015740000, A61B007340000, H01L0041380000, A61K0047600000		
Inventor			
Name	Address	Country	
DR SURENDRA KUMAR YADAV	PROJECT DIRECTOR, DEPARTMENT OF ENVIRONMENTAL CONSERVATION, SOCIETY FOR ENVIRONMENT, HEALTH, AWARENESS OF NUTRITION & TOXICOLOGY (SEHA-INDIA), F/119, PANDAV NAGAR, MEERUT, UTTAR PRADESH- 250003, INDIA.	India	
DR POONAM VERMA	ISBM UNIVERSITY, NAMAAPARA, KOSMI, CHHURA, GARIBAND	India	
PRAYAL V	BENGALURU	India	
DR. SAHIL MEHTA	ASSISTANT PROFESSOR, SCHOOL OF AGRICULTURAL SCIENCES, K.R. MANGALAM UNIVERSITY, SOHNA ROAD, GURUGRAM, HARYANA 122103	India	
DR. PANKAJ RAMESH GANT	ASSISTANT PROFESSOR, DEPT. OF CHEMISTRY, SANT DNYANESHWAR MAHAWIDYALAYA SOEGAON TAL, SOEGAON DIST AURANGABAD 431120	India	
S. ANBARASAN	PHD RESEARCH SCHOLAR, FACULTY OF AGRICULTURE, DEPARTMENT OF AGRONOMY, ANNAMALAI UNIVERSITY, ANNAMALAINAGAR, CHIDAMBARAM, 608 002	India	
DR. PANKAJ KUMAR SAHU	ASSISTANT PROFESSOR, DEPARTMENT OF BOTANY, GOVT. S.S.P. COLLEGE WARASEONI	India	
G. PADMA PRIYA	ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, JAIN UNIVERSITY, SCHOOL OF SCIENCES, BANGALORE 560037	India	
PRADIP KUMAR SAMI	RESEARCH SCHOLAR, DEPARTMENT OF CROP PHYSIOLOGY, COLLEGE OF AGRICULTURE, ANDULAT, KUMARGANJ, ANODHYA (224229)	India	
DR HARISHCHANDER ANANDARAM	AMRITA VISHWA VIDYAPEETHAM, COIMBATORE, TAMIL NADU, INDIA	India	
DR. A. ELAVARASAN	ASSOCIATE PROFESSOR, DEPARTMENT OF CHEMISTRY, SENGUNTHAR COLLEGE OF ENGINEERING, TIRUCHENCODE TK, NAMAANKAL DT-637205	India	
DR.G.SUBBULAKSHMI	ASSISTANT PROFESSOR, CHEMISTRY DEPARTMENT, JAIN UNIVERSITY, SCHOOL OF SCIENCES, BANGALORE 560037	India	
Applicant			

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Name	Address	Country
DR SURENDRA KUMAR YADAV	PROJECT DIRECTOR, DEPARTMENT OF ENVIRONMENTAL CONSERVATION, SOCIETY FOR ENVIRONMENT, HEALTH, AWARENESS OF NUTRITION & TOXICOLOGY (SEHA-INDIA), F/119, PANDAV NAGAR, MERUT, UTTAR PRADESH-250003, INDIA.	India
DR POONAM VERMA	ISBM UNIVERSITY, NAMAPARA, KOSMI, CHHURA, GARIBAND	India
PRAYAL V	BENGALURU	India
DR SAHIL MEHTA	ASSISTANT PROFESSOR, SCHOOL OF AGRICULTURAL SCIENCES, K.R. MANGALAM UNIVERSITY, SOHNA ROAD, GURUGRAM, HARYANA 122103	India
DR. PANKAJ RAMESH GANT	ASSISTANT PROFESSOR, DEPT. OF CHEMISTRY, SANT DNYANESHWAR MAHAWIDYALAYA SOEGAON TAL, SOEGAON DIST AURANGABAD 431120	India
S. ANBARASAN	PHD RESEARCH SCHOLAR, FACULTY OF AGRICULTURE, DEPARTMENT OF AGRONOMY, ANNAMALAI UNIVERSITY, ANNAMALAINAGAR, CHIDAMBARAM, 608 002	India
DR. PANKAJ KUMAR SAHU	ASSISTANT PROFESSOR, DEPARTMENT OF BOTANY, GOVT. S.S.P. COLLEGE WARASEONI	India
G. PADMA PRIYA	ASSISTANT PROFESSOR, DEPARTMENT OF CHEMISTRY, JAIN UNIVERSITY, SCHOOL OF SCIENCES, BANGALORE 560037	India
PRADIP KUMAR SAMI	RESEARCH SCHOLAR, DEPARTMENT OF CROP PHYSIOLOGY, COLLEGE OF AGRICULTURE, ANDULAT, KUMARGANJ, ANODHYA (224229)	India
DR HARISHCHANDER ANANDARAM	AMRITA VISHWA VIDYAPEETHAM, COIMBATORE, TAMIL NADU, INDIA	India
DR. A. ELAVARASAN	ASSOCIATE PROFESSOR, DEPARTMENT OF CHEMISTRY, SENGUNTHAR COLLEGE OF ENGINEERING, TIRUCHENCODE TK, NAMAKKAL DT-637205	India
DR.G.SUBBULAKSHMI	ASSISTANT PROFESSOR, CHEMISTRY DEPARTMENT,JAIN UNIVERSITY, SCHOOL OF SCIENCES, BANGALORE 560037	India

Abstract:

Bio-technical interventions for Precision Agricultural aspects along with Crop Monitoring Analysis is the proposed invention. The invention tries to integrate the aspect biological observations along with technical concepts and intervening the biological factors with technology. The proposed invention serves for addressing the issues inherent in the agricultural monitoring aspects. The crop yield growth is monitored along with precise delivery of fertilizers.

Complete Specification

The present invention relates to the field of designing & implementing a framework of Bio-technical interventions for imposing the concept of precision to agriculture. The crops growth and yield are monitored continuously through image processing techniques.

BACKGROUND OF INVENTION

[0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art. [0002] Agriculture or farming is the practice of cultivating plants and livestock. Agriculture was the key development in the rise of sedentary human civilization, with farming of domesticated species created food surpluses that enabled people to live in cities. Altering crops through breeding practices changes the genetic Make-up plant to develop crops with more beneficial characteristics for humans. [0003] Precision Agriculture (PA) is a farming management concept based on observing, measuring and responding to inter and intra field variability in crops. The precision agriculture research (PA) is a farming management with the goal of optimizing return on inputs while preserving the [0004] A number of different types of precise agricultural analysis systems that are known in the prior art. For example, the following patents are provided for the summary view features and are all incorporated by reference.

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Invention Title	RENEWABLE GREEN ENERGY FOR SUSTAINABLE DEVELOPMENT		
Publication Number	26/2022		
Publication Date	01/07/2022		
Publication Type	INA		
Application Number	202221033866		
Application Filing Date	14/06/2022		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	COMPUTER SCIENCE		
Classification (IPC)	G06Q050060000, B01D0053620000, H02J0003000000, G06Q0010060000, F03B0017000000		
Inventor			
Name	Address	Country	
Dr. Anurag Shrivastava	Principal and Dean (R&D), Sushila Devi Bansal College, A.B. Road, Indore, Madhya Pradesh, 453331, India	India	
Dr. Bipin Kumar Srivastava	Associate Professor, Department of Applied Sciences, Galgotias College of Engineering and Technology, Greater Noida, Uttar Pradesh - 201306	India	
Dr. Prateek Nigam	Associate Professor, Department of Electrical and Electronics Engineering, Faculty of Engineering & Technology, Rabindranath Tagore University, Bhopal, Madhya Pradesh, India, 462045	India	
Dr. Chandra Mohan	Assistant Professor, Department of Chemistry, SBAS, K.R Mangalam University, Gurugram 122103, Haryana, India	India	
Dr. Shiva Johri	Associate Professor, Management Discipline, Department Of Management, Oriental College of Management, Oriental Group of Institutes Bhopal, 462022, Madhya Pradesh	India	
Abhishek Kumar Singh	Department of Production and Industrial Engineering, Birla Institute of Technology, Mesra, Ranchi, Jharkhand	India	

Abstract:

The world's energy demand is growing beyond installable capacity. So, future energy needs should be met efficiently and securely. Using renewable energy should be solutions. Currently, renewable energy is not enough to meet primary energy and electricity needs. Both developed and developing nations will need fossil fuels in the decades. Developing countries have it worse than developed ones. Many developing countries are reorganising their energy sectors. It seems, it's hard to innovate. C share, and policy are barriers to renewable energy. Energy policies support economic, social, and industrial sustainability in many countries. Strategy plans. New renewable technologies will reduce environmental costs, allowing energy systems to be operated safely, economically, and without environmental issues. Both wholesale and new renewable energy markets.

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Complete Specification

RENEWABLE GREEN ENERGY FOR SUSTAINABLE DEVELOPMENT

FIELD OF THE INVENTION

This invention relates to the field of Renewable Green Energy. Renewable energy contributes little to primary energy and power supply. Cost reductions, renewable energy industry growth, and technical advancements depend on government policy accuracy, private sector ingenuity, and investment. Many energy-efficient enabling technologies use less and cleaner energy in power plants, buildings, industrial facilities, and transport systems.

BACKGROUND OF THE INVENTION

Alternative and renewable energies will be the most significant energy resources shortly. This situation will be a reason to generate new jobs and develop future industries. Energy demand soars. Industrial nations have 28% of the world's population and utilise 77% of their energy. The world's population will expand 1.26 times by 2050, reaching 9.7 billion. Developing nations account for 90% of the global population increase. Although industrialised nations


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Design Application Details

Application Number:

361993-001

Cbr Number:

200189

Cbr Date:

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Applicant Name:

1. Dr. Priyanka Chadha 2. Dr Gurbir Singh Khara 3. Heena Arora
4. Swati Shrivastava 5. Ankit Raj Singh 6. Daisy Raj 7. Laxmi
8. Dr Rajat Gera 9. Venkatesh Bharti

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 25/2023 and Journal Date is 23/06/2023

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Disclaimer: Application status is available for the application filed on or after 1st April 2009 with application no 222230. The information under " Design Application Status" is dynamically retrieved and is under testing, therefore the information retrieved by this system is not valid for any legal proceedings under the Design Act 2000. In case of any discrepancy you may contact the appropriate Patent Office or send your comments to following email IDs:

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Application Details

APPLICATION NUMBER	202241033184
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	09/06/2022
APPLICANT NAME	<ol style="list-style-type: none"> 1. Satish Rajarathnam 2. Dr.S/Vigneswari 3. Dr. M. Suthana Barvin 4. Dr.A.Benazir 5. Dr.P. Geetha 6. Dr.Tania Gupta 7. Snehashish Vardhan 8. Dr Meena Sharma 9. Dr Gurpreet Singh 10. Dr. Amrita Majumdar 11. Dr. Mayank Kumar Rai 12. Sruthi S
TITLE OF INVENTION	A SYSTEM FOR PROVIDING AN INTERFACE FOR AN EFFECTIVE COMMUNICATION IN IMPROVING EMPLOYEE MORALE
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	vigneswar161281@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	vigneswar161281@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	17/06/2022

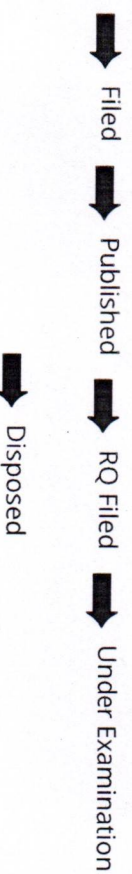
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Invention Title	SYSTEM AND METHOD FOR RESUME MANAGEMENT AND RECRUITMENT WORKFLOW USING ARTIFICIAL INTELLIGENCE TECHNOLOGY		
Publication Number	242022		
Publication Date	17/06/2022		
Publication Type	INA		
Application Number	202211032630		
Application Filing Date	07/06/2022		
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Priority Date			
Field Of Invention	COMPUTER SCIENCE		
Classification (IPC)	G06Q0010100000, G06F0009448000, G06F0009448000, H04N0021658700, G05D0023190000		
Inventor			
Name	Address	Country	
Chief Pawan Aliwadi	Principal, Jodhpur Institute of Hotel Management, JIET Group of Institutes, JIET UNIVERSE, NH - 62, Mogra, Pal Road, Jodhpur Rajasthan India 342802	India	
Mr. Bakul Goyal	Lead Culinary Trainer, GATE College Mandhazar, Bagmati Kathmandu Nepal 44622	Nepal	
Ms. Soumya Datta	Senior Lecturer (NCHMCT), Jodhpur Institute of Hotel Management, JIET Group of Institutes, JIET UNIVERSE, NH - 62, Mogra, Pal Road, Jodhpur Rajasthan India 342802	India	
Mr. Tulan Ray	Associate Professor & HOD, Sunderdeep Group of Institutions NH 24 Delhi Hapur Road, Dasna Ghazabad Uttar Pradesh India 201015	India	
Dr. Aravind Rai	Assistant Professor, School of Hospitality & Tourism Management, Manipal University Jaipur, Dehmi Kalan Near Bagru Jaipur Rajasthan India 303007	India	
Ms. Pragya Singh	Lecturer (NCHMCT), Jodhpur Institute of Hotel Management, JIET Group of Institutes, JIET UNIVERSE, NH - 62, Mogra, Pal Road, Jodhpur Rajasthan India 342802	India	
Prof. Dr. Manoj Srivastava	Professor & Principal, NIMS University Rajasthan, Jaipur, NH-11C, Jaipur- Delhi Highway, Jaipur Rajasthan India 303121	India	
Ms. Karanchari Arch	Assistant Professor, K. R. Mangalam University, Sohna Road, Gurugram Haryana India 122103	India	
Mr. Varun Singh	Assistant Professor, Sunderdeep Group of Institutions NH 24 Delhi Hapur Road, Dasna Ghazabad Uttar Pradesh India 201015	India	
Dr. Mukesh Shekhar	Assistant Professor, School of Hospitality & Tourism Management, Manipal University Jaipur, Dehmi Kalan Near Bagru Jaipur Rajasthan India 303007	India	
Mr. Abhishek Dixit	Assistant Professor, Jodhpur Institute of Engineering and Technology, JIET Universe, NH-65 Pal Road Mogra, Jodhpur Rajasthan India 342802	India	
Dr. Alok Kumar	Professor & Head, C-21, 10th Avenue, Gaur City 2, Greater Noida (N) Uttar Pradesh India 201009	India	
Applicant			

Name	Address	Country
Chief Pawan Aliwadi	Principal, Jodhpur Institute of Hotel Management, JIET Group of Institutes, JIET UNIVERSE, NH - 62, Mogra, Pal Road, Jodhpur Rajasthan India 342802	India
Mr. Bakul Goyal	Lead Culinary Trainer, GATE College Mandhazar, Bagmati Kathmandu Nepal 44622	Nepal
Ms. Soumya Datta	Senior Lecturer (NCHMCT), Jodhpur Institute of Hotel Management, JIET Group of Institutes, JIET UNIVERSE, NH - 62, Mogra, Pal Road, Jodhpur Rajasthan India 342802	India
Mr. Tulan Ray	Associate Professor & HOD, Sunderdeep Group of Institutions NH 24 Delhi Hapur Road, Dasna Ghazabad Uttar Pradesh India 201015	India
Dr. Aravind Rai	Assistant Professor, School of Hospitality & Tourism Management, Manipal University Jaipur, Dehmi Kalan Near Bagru Jaipur Rajasthan India 303007	India
Ms. Pragya Singh	Lecturer (NCHMCT), Jodhpur Institute of Hotel Management, JIET Group of Institutes, JIET UNIVERSE, NH - 62, Mogra, Pal Road, Jodhpur Rajasthan India 342802	India
Prof. Dr. Manoj Srivastava	Professor & Principal, NIMS University Rajasthan, Jaipur, NH-11C, Jaipur- Delhi Highway, Jaipur Rajasthan India 303121	India
Ms. Karanchari Arch	Assistant Professor, K. R. Mangalam University, Sohna Road, Gurugram Haryana India 122103	India
Mr. Varun Singh	Assistant Professor, Sunderdeep Group of Institutions NH 24 Delhi Hapur Road, Dasna Ghazabad Uttar Pradesh India 201015	India
Dr. Mukesh Shekhar	Assistant Professor, School of Hospitality & Tourism Management, Manipal University Jaipur, Dehmi Kalan Near Bagru Jaipur Rajasthan India 303007	India
Mr. Abhishek Dixit	Assistant Professor, Jodhpur Institute of Engineering and Technology, JIET Universe, NH-65 Pal Road Mogra, Jodhpur Rajasthan India 342802	India
Dr. Alok Kumar	Professor & Head, C-21, 10th Avenue, Gaur City 2, Greater Noida (N) Uttar Pradesh India 201009	India

Abstract

Accordingly, embodiments herein disclose system and method for resume management and recruitment workflow using artificial intelligence technology in organization comprises a memory device resident on a computing device tangibly storing thereon, and a processor disposed in communication with the memory device. The system is configured to: receive a plurality of resumes in an electronic format; determine an experience range for each skill or experience in the received electronic resumes; term of experience for each skill or experience based on said determined experience range; generate at least one composite key for each skill or experience; create a for each received electronic resume; store the received electronic resumes and their associated created new versions in a resume database associated with the company and receive a resume search request from a user comprising a job description.

Complete Specification

[0001] The present invention relates to system and method for resume management and recruitment workflow using artificial intelligence technology in an organization BACKGROUND OF INVENTION

[0002] When an employer decides to hire a new employee, a hiring manager determines requirements for the new employee. The requirements include mandatory characteristics for the new employee. With the requirements in mind, the hiring manager begins to review resumes that the employer receives from potential candidates. The resume is a mechanism to convey personal and business-related characteristics of the candidate. The resume typically includes the candidate's career objective, personal interests, professional affiliations, educational background, employment history, and a description of work experience. [0003] Typically, the candidate resumes are reviewed by a manual process that involves the hiring manager reading or scanning each paper or electronic resume. The hiring manager reads or scans each resume to determine if the resume meets the requirements for the new employee. After reading or scanning a resume, the hiring manager decides whether the candidate's qualifications described in the resume can possibly satisfy the job requirements. For each resume that seems to satisfy the requirements, the hiring manager contacts the potential candidate and attempts to schedule an interview. Once the potential candidate accepts the invitation to interview, the potential candidate becomes a candidate for the new position. One disadvantage of this process is the time required by the hiring manager to review resumes that do not possibly qualify for the position. The hiring manager is reviewing a large number of resumes for the purpose of narrowing them down to a few resumes that describe candidates who might qualify for the position and warrant an interview or hire. Furthermore, the accuracy of the process depends on the accuracy of the hiring manager who is reading or scanning the large number of resumes. Thus, the manual process takes time and is likely to miss the resume of a qualified potential candidate.

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Application Details

APPLICATION NUMBER	202211030511
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	27/05/2022
APPLICANT NAME	<ol style="list-style-type: none"> 1. Nirmal Vasanth 2. Dr. Jai Sonker 3. Chef Pawan Alawadi 4. Abhishek Dixit 5. Chef (Dr.) Saurabh Sharma 6. Bakul Govil 7. Dr. Aravind Kumar Rai 8. Kandhan Aich 9. Atanu Bhattacharya 10. Sumit Rohilla 11. Vikas Sharma 12. Dr. Alok Kumar 13. Dr. Mukesh Shekhar 14. Dr. Sushil Kumar
TITLE OF INVENTION	ARTIFICIAL INTELLIGENCE-BASED SYSTEM AND METHOD FOR MODELING ENDORSEMENT OF SKILLS OF AN INDIVIDUAL IN A SKILLS MAP
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	soni.mukesh15@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	soni.mukesh15@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
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Application Status

APPLICATION STATUS

Awaiting Request for Examination

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➡ Filed ➡ Published ➡ RQ Filed ➡ Under Examination

➡ Disposed

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Patent Search

Invention Title	A SYSTEM FOR EVALUATING IMPACT OF MARKETING STRATEGIES FOR SMALL BUSINESS SUSTAINABILITY AND METHOD THEREOF		
Publication Number	21/2022		
Publication Date	27/05/2022		
Publication Type	INA		
Application Number	202221027287		
Application Filing Date	12/05/2022		
Priority Number			
Priority Country			
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Field Of Invention	COMPUTER SCIENCE		
Classification (IPC)	G06Q001/0068000, G06Q003/002000, G06F001/6248000, G06F001/6245800, G06F001/6260000		
Inventor			
Name	Address	Country	
Dr. Manish Joshi	Associate Professor, Marketing, Shri Vashnav Vidyapeeth Vishwavidyalaya, Indore - Ujjain Road, Indore, Pin- 453111	India	
Tania Gupta	Professor & Dean, School of Education, K.R Mangalam University, Sohna Road, Gurugram, Pin: 122103	India	
Prof. (Dr.) Namita Rajput	Professor, Commerce, Sri Aurobindo College, Malwa Nagar, Pin:110017	India	
Radhika Kanyal	Pt. D Scholar, Management, Jagannath University, Ip-28, 3, Opp Chokhi Dhan, Phase Iv, Sitapura Industrial Area, Jaipur, Rajasthan, Pin: 302022	India	
Dr. Vaidandil Ramchander Rao	Professor and Principal, MBA, Vaggeswari Institute of Management Sciences, Beside LMD Police Station Ramakrishna Colony, Timmapur, Karmannagar, Telangana, India, Pincode: 505481	India	
Dr. Nikam Vijay Balkrishna	Assistant Professor, Commerce and Management, Rayat Shikshan Sanstha, S.S.G.M College, Kogaon, District Ahmednagar, MH, Pin:423601	India	
Dr. Manoj Sharma	Principal, Shri Shankaracharya Institute of Professional Studies, Chhatargarh, Pin-492015	India	
Dr. Sonal Agrawal	Assistant Professor, Commerce, Hislop College, Civil Lines, Nagpur, Pin: 440001	India	
Dr. Srinivasan K	Academic Professional, Management, MBA ESG- India (French Business School) Bangalore, Jan (Deemed 'To Be University'), Pin: 560043	India	
Dr. S. Saravanan	Assistant Professor, Commerce, Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai, Pin: 600039	India	
Dr. Ekta Mishra	Assistant Professor, Management Studies, Shri Shankaracharya Institute of Professional Studies, Sajabhar, Mughajan, Pin Code: 492015	India	
Sruthi S	Assistant Professor, Department of Commerce, Gregorian College of Advanced Studies, Akkulam, Tiruvanduram	India	
Applicant			

Name	Address	Country
Dr. Manish Joshi	Associate Professor, Marketing, Shri Vashnav Vidyapeeth Vishwavidyalaya, Indore - Ujjain Road, Indore, Pin: 453111	India
Tania Gupta	Professor & Dean, School of Education, K.R Mangalam University, Sohna Road, Gurugram, Pin: 122103	India
Prof. (Dr.) Namita Rajput	Professor, Commerce, Sri Aurobindo College, Malwa Nagar, Pin:110017	India
Radhika Kanyal	Pt. D Scholar, Management, Jagannath University, Ip-28, 3, Opp Chokhi Dhan, Phase Iv, Sitapura Industrial Area, Jaipur, Rajasthan, Pin: 302022	India
Dr. Vaidandil Ramchander Rao	Professor and Principal, MBA, Vaggeswari Institute of Management Sciences, Beside LMD Police Station Ramakrishna Colony, Timmapur, Karmannagar, Telangana, India, Pincode: 505481	India
Dr. Nikam Vijay Balkrishna	Assistant Professor, Commerce and Management, Rayat Shikshan Sanstha, S.S.G.M College, Kogaon, District Ahmednagar, MH, Pin:423601	India
Dr. Manoj Sharma	Principal, Shri Shankaracharya Institute of Professional Studies, Chhatargarh, Pin-492015	India
Dr. Sonal Agrawal	Assistant Professor, Commerce, Hislop College, Civil Lines, Nagpur, Pin: 440001	India
Dr. Srinivasan K	Academic Professional, Management, MBA ESG- India (French Business School) Bangalore, Jan (Deemed 'To Be University'), Pin: 560043	India
Dr. S. Saravanan	Assistant Professor, Commerce, Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai, Pin: 600039	India
Dr. Ekta Mishra	Assistant Professor, Management Studies, Shri Shankaracharya Institute of Professional Studies, Sajabhar, Mughajan, Pin Code: 492015	India
Sruthi S	Assistant Professor, Department of Commerce, Gregorian College of Advanced Studies, Akkulam, Tiruvanduram	India

Abstract

The present invention discloses a system for evaluating impact of marketing strategies for small business sustainability and method thereof. The system includes, but is not limited to, a memory which stores instructions, one or more processors attached to the memory wherein the one or more processors, when executing the instructions which are configured to have, a processing unit providing data output through a user interface for determining a computer generated aggregate relative interaction value of it of contacts and correlating these aggregate relative interaction values with coming business profits, customer satisfaction, and other key performance indicators of it further, the aggregate relative interaction value is processed for further determining a leading indicator of business profits, customer satisfaction and other key performance indicators of a business. Accompanied Drawing (Fig. 1)

Complete Specification

Description [0001] The present invention relates to the field of the systems and methods useful for analysing the business marketing and use of promotional material, combination with a sales pitch, and further using consistent measures to provide comparisons of effectiveness across industry and routinely predicting success of it campaign in the marketplace. The invention more particularly relates to a system for evaluating impact of marketing strategies for small business sustainability and method thereof

BACKGROUND OF THE INVENTION

[0002] The following description provides the information that may be useful in understanding the present invention. It is not an admission that any of the information disclosed herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art. [0003] Further, the approaches described in this section are approaches that could be pursued, but no necessarily approaches that have been previously conceived or pursued. Therefore, unless otherwise indicated, it should not be assumed that any of the approaches described in this section qualify as prior art merely by virtue of inclusion in this section. [0004] In current scenarios, viral marketing has been emerged as an effective business tool for marketing in view of the increasing saturation of online social network. Fundamentally, a main objective of these marketing techniques is to ascertain and leverage social interactions among individuals to promote awareness about mark products. Further with the limited advertising budgets, a key challenge which is emerging in being able to select a set of influential individuals in the social media and provide to the customers with discounts on products or even provide free samples, wherein such individuals shall then be in a position to raise and maximize awareness of a product over the social network

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Application Details

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APPLICATION TYPE ORDINARY APPLICATION
DATE OF FILING 06/05/2022
APPLICANT NAME

1. Dr. Gurpreet Singh
2. Dr. Seema Maruti Zagade
3. Dr. Bhawna Saxena
4. Ms. Kanchan Khatreja
5. Dr. Veena Christy
6. Dr. Meena Sharma
7. Dr. Dini Menon
8. Dr. Harinder Kaur
9. Dr. Manoj Sharma
10. Dr. S. Saravanan
11. Thiru.A.K.Shummuga Selvan
12. Sruthi S

TITLE OF INVENTION A SYSTEM FOR EVALUATING THE IMPACT OF WORK-LIFE BALANCE TOWARDS JOB SATISFACTION AND EMPLOYEE RETENTION AND METHOD THEREOF

FIELD OF INVENTION

COMPUTER SCIENCE

E-MAIL (As Per Record)

drptss@gmail.com

ADDITIONAL-E-MAIL (As Per Record)

drptss@gmail.com

E-MAIL (UPDATED Online)

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Awaiting Request for Examination

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Patent Search

Invention Title	HYBRID FUZZY ASSOCIATION RULE ALGORITHMS TO DETECT THE ANOMALIES IN HEALTH CARE DATA		
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Publication Type	INA		
Application Number	202241035524		
Application Filing Date	02/05/2022		
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Priority Country			
Field Of Invention	COMPUTER SCIENCE		
Classification (IPC)	G06F0016245800, G06G0050220000, G16H0050700000, G16H0010600000, A61B0005022000		
Inventor			
Name	Address	Country	
DR. K. MAHESWARI	ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, CMR TECHNICAL CAMPUS, KANDLAPOYA, HYDERABAD - 501401, TELANGANA, INDIA.	India	
DR. N. KAMARAJ	SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF ARTS AND SCIENCE, COIMBATORE	India	
DR. RAHUL BOADH	ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SCHOOL OF BASIC AND APPLIED SCIENCES, K. R. MANGALAM UNIVERSITY, SOHNA ROAD GURUGRAM, 122103	India	
MUGANDA MUNIR MANINI	SENIOR LECTURER, ECONOMICS, FINANCE & ACCOUNTING, KIBABII UNIVERSITY, BUNGOMA-1699-50200	Kenya	
MS.G. LAKSHMI	GURU NANAK COLLEGE,VELACHERY,CHENNAI	India	
DARSHANA PAI	SVP, SOFTWARE ENGINEERING STRATEGY AND GOVERNANCE, VIRTUSA	India	
DR. VADDI NAGA PADMA PRASUNA	BENGALURU	India	
DR. HARISHCHANDER ANANDARAM	AMRITA VISHWA VIDYAPEETHAM COIMBATORE TAMIL NADU INDIA	India	
R. HEZIBA GANAAMALAR	PSGR KRISHNANMAL COLLEGE FOR WOMEN	India	
G.SANTHANAKRISHNAN	SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF ARTS AND SCIENCE, COIMBATORE	India	
DR. S. MYTHILI	KONGUNADU ARTS AND SCIENCE COLLEGE,COIMBATORE	India	
S. SENTHIL KUMAR	SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF ARTS AND SCIENCE, COIMBATORE 641020	India	
Applicant			

Name	Address	Country
DR. K. MAHESWARI	ASSOCIATE PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, CMR TECHNICAL CAMPUS, KANDLAPOYA, HYDERABAD - 501401, TELANGANA, INDIA	India
DR. N. KAMARAJ	SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF ARTS AND SCIENCE, COIMBATORE	India
DR. RAHUL BOADH	ASSISTANT PROFESSOR, DEPARTMENT OF MATHEMATICS, SCHOOL OF BASIC AND APPLIED SCIENCES, K. R. MANGALAM UNIVERSITY, SOHNA ROAD GURUGRAM, 122103	India
MUGANDA MUNIR MANINI	SENIOR LECTURER, ECONOMICS, FINANCE & ACCOUNTING, KIBABII UNIVERSITY, BUNGOMA-1699-50200	Kenya
MS.G. LAKSHMI	GURU NANAK COLLEGE,VELACHERY,CHENNAI	India
DARSHANA PAI	SVP, SOFTWARE ENGINEERING STRATEGY AND GOVERNANCE, VIRTUSA	India
DR. VADDI NAGA PADMA PRASUNA	BENGALURU	India
DR. HARISHCHANDER ANANDARAM	AMRITA VISHWA VIDYAPEETHAM COIMBATORE TAMIL NADU INDIA	India
R. HEZIBA GANAAMALAR	PSGR KRISHNANMAL COLLEGE FOR WOMEN	India
G.SANTHANAKRISHNAN	SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF ARTS AND SCIENCE, COIMBATORE	India
DR. S. MYTHILI	KONGUNADU ARTS AND SCIENCE COLLEGE,COIMBATORE	India
S. SENTHIL KUMAR	SRI RAMAKRISHNA MISSION VIDYALAYA COLLEGE OF ARTS AND SCIENCE, COIMBATORE 641020	India

Abstract

Hybrid fuzzy association rule algorithms to detect the anomalies in health care data is the proposed invention. The invention aims at designing a framework of fuzzy hybrid characteristics to enhance the efficiency of association rule mining algorithms. The proposed invention strives to detect the anomalies that are inherent in the data related to health care and paving way for therapeutic treatment.

Complete Specification

Description: [0001] Background description includes information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art. [0002] Anomaly detection systems help to remove fit falls in datasets which in turn help BI major to be more accurate in analyzing real time company data. It is at critical to spotting non-fluity patterns that may contain actionable information for a business uses. Anomaly detection in records of public health care system is an important task in health care management that can reveal logistic problems, overloads, regional lack of professionals and services, diseases, outbreaks, cross in the and suspect activities. [0003] A number of different types of anomaly detection systems that are known in the prior art. For example, the following patents are provided for their support teachings and are all incorporated by reference. [0004] Stock Market Prediction Using Machine Learning Techniques: A Decade Survey on Methodologies, Recent Developments, and Future Directions With the technological marvels like global digitization, the prediction of the stock market has entered a technologically advanced era, reimagining the old model of trading. With ceaseless increase in market capitalization, stock trading has become a center of investment for many financial investors. Many analysts and researchers have developed tools and techniques that predict stock price movements and help investors in proper decision-making. Advanced trading models enable researchers to predict the using non-traditional textual data from social platforms. The application of advanced machine learning approaches such as text data analytics and ensemble methods greatly increased the prediction accuracies. Meanwhile, the analysis and prediction of stock markets continue to be one of the most challenging research areas due to dynamic, erratic, and chaotic data. This study examines the effectiveness of machine learning-based approaches for stock market prediction based on the enhancement

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AND PROMOTION

Application Details

APPLICATION NUMBER	202211025490
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	01/05/2022
APPLICANT NAME	1. Dr. Richa Arora 2. Dr. Richa Nangia 3. Dr. Dimpy Sachar 4. Dr. Nidhi Gupta 5. Dr. Ona Ladiwal 6. Nidhi
TITLE OF INVENTION	NOVEL ROADWAY TRANSPORT MANPOWER PLANNING AND OPTIMIZATION SYSTEM
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	latika.khanduja@iploea.com
ADDITIONAL-E-MAIL (As Per Record)	jaspreet.singh@ipquad.com
E-MAIL (UPDATED Online)	
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APPLICATION STATUS	Abandoned U/s 21(1)

Application Status

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Patent Search

Invention Title IOT BASED SMART FARMING WITH AGRICULTURE TASK AUTOMATION

Publication Number 16/2022

Publication Date 22/04/2022

Publication Type INA

Application Number 202211020451

Application Filing Date 05/04/2022

Priority Number

Priority Country

Priority Date

Field Of Invention MECHANICAL ENGINEERING

Classification (IPC) A01G0025160000, A01G0009240000, A01G0009160000, G01N0033240000, A01G0025000000

Inventor

Name

Address

Country

Dr. Ashish Gupta

Ms. Neha Gupta

Dr. Ganesh Gupta

Dr. Sonali Dash

Dr. Swati

Dr. Meenu Vijayana

Applicant

Name

Address

Country

Dr. Ashish Gupta

Ms. Neha Gupta

Dr. Ganesh Gupta

Dr. Sonali Dash

Dr. Swati

Dr. Meenu Vijayana

Applicant

Name

Address

Country

Dr. Ashish Gupta

Ms. Neha Gupta

Dr. Ganesh Gupta

Dr. Sonali Dash

Dr. Swati

Dr. Meenu Vijayana

Applicant

Name

Address

Country

Dr. Ashish Gupta

Complete Specification

Farming is considered as the foundation of India's economy, which depends intensively on its significant yield. Harvest creation is reliant upon topographical variables as soil synthetic, temperature, stickiness and so forth. These factors play a major role in increasing the crop production. Farmers are unaware from these factors and select the crop for cultivation based on their experience of growing particular crop again and again. Farmers crop selection accuracy is low not cost effective. It is important to practice modern methods of farming by using technology instead of practicing traditional farming method. To solve this problem, we offer a framework that will recommend crops dependent on the temperature of the general climate. Farmers can expand their yield by developing the harvest suggested by the framework. India is one of the leading countries worldwide in terms of farm output. Even after being a leading producer of agricultural products, India still lacks farm productivity. Farmers have very less income because of the lack of farm productivity. These needs to be an increase in productivity in order to get more

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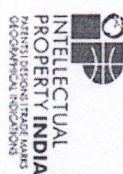
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Application Details

APPLICATION NUMBER	20221017548
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/03/2022
APPLICANT NAME	1. Venkatesh Bharti 2. Heena Arora 3. Dr. Rudhika Yadav 4. Dr. Gurbir Singh Khera 5. Dr. Ashima Saxena 6. Dr. Manmeet Bail Nag 7. Dr. Priyanka Chadha 8. Dr. Rajat Gera 9. Amitesh Sinha
TITLE OF INVENTION	A NOVEL HEALTH DIAGNOSING SYSTEM USING MULTIPLE SENSORS.
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	venkateshbharti49@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	amiteshsinha25@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	26/03/2022
PUBLICATION DATE (U/S 11A)	01/04/2022

Application Status

APPLICATION STATUS

Application referred u/s 12 for examination.

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➡ Disposed

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Patent Search

Invention Title A NOVEL DEVICE TO PRODUCE ELECTRICAL ENERGY USING VIBRATION GENERATED BY ITS SURROUNDING.

Publication Number 08/2022

Publication Date 25/02/2022

Publication Type INA

Application Number 202211008825

Application Filing Date 20/02/2022

Priority Number

Priority Country

Priority Date

Field Of Invention MECHANICAL ENGINEERING

Classification (IPC) F03D0001060000, F03D0009250000, F03D0003040000, F03D0009000000, F03D0013200000

Inventor

Name	Address	Country
Venkaatesh Bharti	A-61 c DDA Flats Shivaji Enclave, Bhagat Singh colony Rajouri Garden New Delhi	India
Amiteesh Sinha	Address:5/O, RK sinha, 20-B, Street - 1, Sector-1, ward 38, bhilai 1, Durg, bhilai 1, chhattisgarh, Pincode: 490001	India
Dr.Vandana Ahuja	Amity Business School, Amity University Uttar Pradesh, Sector 125, Noida, U.P. Pincode: 201315	India
Dr SK Bose	House No 2207, Sector 9 Faridabad PIN 121006	India
Dr Gurtej Singh Khara	B-81 (GF), Swasthya Vihar, Vikas Marg, Delhi Pincode: 110092	India
Dr. Priyanka Chaudha	HIERANK BUSINESS SCHOOL A-42, Institutional Area, Sector 62, Near Sector-63 Metro Station, Noida, Uttar Pradesh 201307	India
Dr Pragati Saxena	HIERANK BUSINESS SCHOOL A-42, Institutional Area, Sector 62, Near Sector-63 Metro Station, Noida, Uttar Pradesh 201307	India
Dr Rajat Gera	K.R Mangalam University, Gurugram Sohna Road, Gurugram, Haryana Pincode: 122103	India

Applicant

Name	Address	Country
Venkatesh Bharti	A-61 c DDA Flats Shivaji Enclave, Bhagat Singh colony Rajouri Garden New Delhi	India
Amiteesh Sinha	Address:5/O, RK sinha, 20-B, Street - 1, Sector-1, ward 38, bhilai 1, Durg, bhilai 1, chhattisgarh, Pincode: 490001	India
Dr.Vandana Ahuja	Amity Business School, Amity University Uttar Pradesh, Sector 125, Noida, U.P. Pincode: 201315	India
Dr SK Bose	House No 2207, Sector 9 Faridabad PIN 121006	India
Dr Gurtej Singh Khara	B-81 (GF), Swasthya Vihar, Vikas Marg, Delhi Pincode: 110092	India
Dr. Priyanka Chaudha	HIERANK BUSINESS SCHOOL A-42, Institutional Area, Sector 62, Near Sector-63 Metro Station, Noida, Uttar Pradesh 201307	India
Dr Pragati Saxena	HIERANK BUSINESS SCHOOL A-42, Institutional Area, Sector 62, Near Sector-63 Metro Station, Noida, Uttar Pradesh 201307	India
Dr Rajat Gera	K.R Mangalam University, Gurugram Sohna Road, Gurugram, Haryana Pincode: 122103	India

Abstract:

The device belongs to the category of sustainable energy devices, which is a key factor in renewable or clean energy production, which not only helps the environment maintaining its equilibrium. The device works on the principle of converting mechanical energy, such as vibration, and converts it into mechanical energy, with the help of spring, magnets, copper coils and diaphragm setup. The innovation works on the similar principal as a wind turbine but does not require their setup area and location which means this product requires minimal setup area and working conditions which makes it extremely ideal for every day usage, public sector usage, commercial u which means this product requires minimal setup area and working conditions which makes it extremely ideal for every day usage, public sector usage, commercial u most importantly industrial usage. Its compact size, portability and scalability makes it stand out when compared to conventional methods of electricity generation d

Complete Specification

With constant innovations dominating the world, some of the devices related to sustainable energy are still trying to keep up with the pace of innovation but there is only much that they can do because of the limitations that they carry due to their design, working capacity, and working condition, which is why we introduced 'A novel device to produce electrical energy using vibration generated by its surrounding', which solves all the prominent problems. The idea of this device is inspired by harvesting vibrational energy which readily available in our surroundings, thanks to globalization of technology. This device can detect vibration energy from their surrounding by transmission of vibration from any moving object nearby which will vibrate its aluminum frame which will transfer it to the spring which is connected to a diaphragm, and spring will also be vibrated when wind will enter this frame from 3 wind holes provided on the body. This combined force will help vibrate the diaphragm which will ultimately convert mechanical energy into electrical energy.

[0002] Advantages of Proposed Invention:

1. It does not specific wind speeds to work, any amount of wind present in the surrounding will be able to interfere with its diaphragm.
2. It has minimal setup process.
3. Construction of this device is very simple and easily understandable
4. It requires very minimal initial cost

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Application Details

APPLICATION NUMBER 202241007317
APPLICATION TYPE ORDINARY APPLICATION
DATE OF FILING 11/02/2022
APPLICANT NAME

1. Mr.Veeresh Halemane
2. Dr. Ashish Kumar
3. Ms.Shreshtha Sharma
4. Dr. Chandra Mohan
5. Miss Anvesha Das
6. Dr. Vinod Kumar
7. Dr Manish Upadhyay

TITLE OF INVENTION Extraction of bioactive compounds from plant material

FIELD OF INVENTION CHEMICAL

E-MAIL (As Per Record) veereshhalemanechem@gmail.com

ADDITIONAL-E-MAIL (As Per Record)

E-MAIL (UPDATED Online)

PRIORITY DATE

REQUEST FOR EXAMINATION DATE

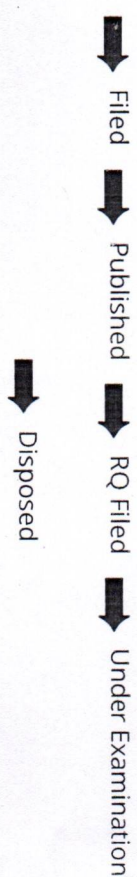
PUBLICATION DATE (U/S 11A) 18/02/2022

APPLICATION STATUS

Application Status

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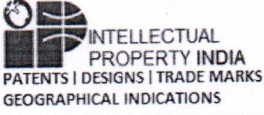
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Ministry of Commerce and Industry

Design Application Details

Application Number:

353922-001

Cbr Number:

210321

Cbr Date:

29/11/2021 22:42:46

Applicant Name:

1. Dr. Abhinandan Ravsaheb Patil, 2. Dr. Ajinkya Bhagwan Bhorde,
3. Dr. Manoj M. Gadewar, 4. Gaurav Chandrakant Ghewade,

Design Application Status

Application Status:

Design Accepted and Published, Journal No is 02/2022 and Journal Date is 14/01/2022

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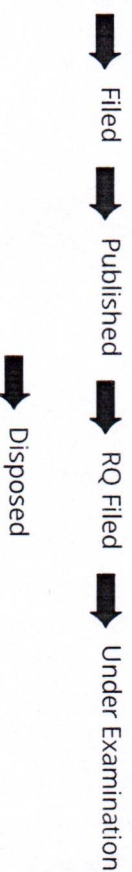
APPLICATION NUMBER	202111058641
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/12/2021
APPLICANT NAME	1. Ms. Sudha 2. Dr. Mamta Dahiya 3. Dr. Meenu Vijarania 4. Dr. Swati 5. Dr. Ashima Gambhir 6. Suruchi 7. Praveen Kantha 8. Dr. Harkesh Sehtawat 9. Dr. Vikas Siwach 10. Neha Gupta
TITLE OF INVENTION	DESIGN AND IMPLEMENTATION OF WHEELCHAIR USING IOT FOR QUADRIPELEGIA PATIENT
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	neha.judger99@gmail.com
ADDITIONAL-EMAIL (As Per Record)	neha.judger99@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	31/12/2021

Application Status

APPLICATION STATUS

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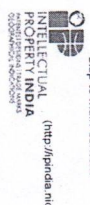
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Patent Search

EFFECTIVE CLICK FRAUD DETECTION FOR MOBILE APP USING DL PYTHON AND OPEN- CV

Invention Title			EFFECTIVE CLICK FRAUD DETECTION FOR MOBILE APP USING DL PYTHON AND OPEN- CV
Publication Number	49/2021		
Publication Date	03/12/2021		
Publication Type	INA		
Application Number	202141053270		
Application Filing Date	19/11/2021		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	COMPUTER SCIENCE		
Classification (IPC)	G06Q0030020000, G06Q0020400000, G06Q003003000000, G06K0009660000, G06F0008300000		
Inventor			
Name	Address	Country	
D Srikanth	538/1 L, 160/3 kottapalli colony Truthegoda Namakkal Dt Tamilnadu 637214	India	
Neeraj Gupta	Professor, Computer Science & Engineering, Indraprastha Engineering College Ghazabad, Uttar Pradesh, 201010	India	
Asha Sonali	Assistant Professor, School Of Engineering and Technology, K.R. Mangalam University Gurugram, Haryana	India	
Jagadeesh M S	Assistant Professor, Department of AI, Sri Vishnu Engineering College for Women, Bhimavaram.	India	
Mrs. Mani Sameel	G. H. Raisoni College of Engineering and Management, Pune Department of Computer Engineering Gat no. 1200, Donkhel Road, Wagholi Pune-41207	India	
Bhronie	Head of the Department PG, Department of Computer Science The New College 147, Peter's Road Royapettah Chennai 14	India	
Dr. P HAKKIM DIVAN	Head of the Department PG, Department of Computer Science The New College 147, Peter's Road Royapettah Chennai 14	India	
MYDEEN	National Doctoral Fellow (NDF), AICTE Department of Pharmaceutical Sciences and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand, India - 835215	India	
Mahendra Pratap Swain	Maharshi Markandewar Engineering College -Muliana-Ambala Haryana.	India	
Dr. Suneet Kumar			
Applicant			
Name	Address	Country	
D Srikanth	538/1 L, 160/3 kottapalli colony Truthegoda Namakkal Dt Tamilnadu 637214	India	
Neeraj Gupta	Professor, Computer Science & Engineering, Indraprastha Engineering College Ghazabad, Uttar Pradesh, 201010	India	
Asha Sonali	Assistant Professor, School Of Engineering and Technology, K.R. Mangalam University Gurugram, Haryana	India	
Jagadeesh M S	Assistant Professor, Department of AI, Sri Vishnu Engineering College for Women, Bhimavaram.	India	
Mrs. Mani Sameel	G. H. Raisoni College of Engineering and Management, Pune Department of Computer Engineering Gat no. 1200, Donkhel Road, Wagholi Pune-41207	India	
Bhronie	Head of the Department PG, Department of Computer Science The New College 147, Peter's Road Royapettah Chennai 14	India	
Dr. P HAKKIM DIVAN	Head of the Department PG, Department of Computer Science The New College 147, Peter's Road Royapettah Chennai 14	India	
MYDEEN	National Doctoral Fellow (NDF), AICTE Department of Pharmaceutical Sciences and Technology, Birla Institute of Technology, Mesra, Ranchi, Jharkhand, India - 835215	India	
Mahendra Pratap Swain	Maharshi Markandewar Engineering College -Muliana-Ambala-Haryana.	India	
Dr. Suneet Kumar			

Abstract

Effective Click Fraud Detection for Mobile App using DL Python and open- CV Abstract: In internet advertising, people click on advertisements that have been paid for which is known as "click fraud". As a result, it is caused by people purposefully clicking on web advertisements when they have no genuine interest in the product or service advertised. Click fraud is a serious threat to advertisers' revenue as well as their trust in advertising. Various machine learning and deep learning models that can learn data presented are used to solve this problem. Based on the data fed into it during the training process, the model will detect fraudulent clicks. Our team's deep learning algorithm for distinguishing between genuine and fraudulent clicks has been tested against other machine learning methods such as SVM and Naive Bayes. Mobile app algorithm for the success of the mobile application ecosystem. Click fraud which refers to ad clicks performed by fraudulent code, threatens the long-term stability of the existing techniques for detecting click fraud primarily focus on analyzing ad requests sent to the server for processing. If the clicks are disguised behind proxies or will be dispersed, such methods may generate a large number of false negatives. The Adsherlock method for detecting click fraud in mobile apps is discussed in this study. I used in a variety of situations because it is both effective and simple to use. Adsherlock, with exact patterns being used more frequently. When a click is referred to as Adsherlock, Adsherlock generates patterns in the offline technique using URL tokenization, with exact patterns being used more frequently. When a click is recognized online, these patterns are used to detect fraud. They use click requests as part of the online procedure. Adsherlock is a prototype that is being evaluated in world applications. As a benchmark, Adsherlock outperforms the current state of the art in click fraud detection accuracy while consuming only a small amount of CPU during runtime.

Complete Specification

Claims/CLAIMS

1. Effective Click Fraud Detection for Mobile App using DL Python and open- CV said that the proposed approach detects clickbait by first translating sentences to numerical data and then checking the hit.
2. Effective Click Fraud Detection for Mobile App using DL Python and open- CV of claim 1, wherein said that adapts to a variety of dialects.
3. Effective Click Fraud Detection for Mobile App using DL Python and open- CV of claim 1, wherein said the proposed system considers both textual and visual elements.
4. Effective Click Fraud Detection for Mobile App using DL Python and open- CV of claim 1, wherein said achieve better fraud discovery accuracy.
5. Effective Click Fraud Detection for Mobile App using DL Python and open- CV of claim 1, wherein said that our results were comparable to the recent Clickbait Ch winners, and we feel that fine-tuning our model can easily increase our outcomes.

Description/Descriptions:

The internet phenomenon known as "clickbaiting" refers to a strategy for attractive "clicks" on a website by utilizing unethical representations. Malware inform

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Application Details

APPLICATION NUMBER	202111053226
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	18/11/2021
APPLICANT NAME	1. Neeraj Gupta 2. Asha Sohal 3. Ashwani Kumar 4. Dr. Dinesh Singh 5. Mamta Sachdeva
TITLE OF INVENTION	HEALTHCARE CLOUD BASED IOT AND MACHINE LEARNING ENABLED SYSTEM FOR DETECTING AND PREVENTING HEART DISEASE USING DEEP LEARNING
FIELD OF INVENTION	BIO-MEDICAL ENGINEERING
E-MAIL (As Per Record)	soni.mukesh15@gmail.com
ADDITIONAL-EMAIL (As Per Record)	soni.mukesh15@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	26/11/2021

Application Status

APPLICATION STATUS

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Patent Search

Invention Title	EXTRACT OF CURCULIGO ORCHOIDES GAERTN. ROOT HAVING ANTIOBESITY ACTIVITY		
Publication Number	42/2021		
Publication Date	15/10/2021		
Publication Type	INA		
Application Number	202111043569		
Application Filing Date	25/09/2021		
Priority Number			
Priority Date			
Field of Invention	PHARMACEUTICALS		
Classification (IPC)	A61K 36/88		
Inventor			
Name	Address	Country	
Richa Tiwari	School of Pharmacy, Sharda University, Plot No. 32, 34, Knowledge Park III, Greater Noida, Uttar Pradesh, 201310	India	
Dr. Amit Kr Verma	Faculty, Dept of Pharmacy, MJP Rohilkhand University, Bareilly,Uttar Pradesh 243006	India	
Mrs Preeti Mishra	Faculty, Raja Bahwan Singh Engineering and Technical Campus Bithpur, Agra 283105	India	
Dr S S Bedi	Faculty, Dept of CSIT MJP Rohilkhand University Bareilly, Uttar Pradesh 243006	India	
Dr Vinay Rishwai	Faculty, Dept of CSIT MJP Rohilkhand University Bareilly, Uttar Pradesh 243006	India	
Dr S Ramasamy	Faculty, Dept of Pharmacy, MJP Rohilkhand University Bareilly, Uttar Pradesh 243006	India	
Dr Supriya Gupta	Faculty, Dept of Applied chemistry, MJP Rohilkhand University Bareilly, Uttar Pradesh 243006	India	
Dr Yogesh Murti	Faculty,Institute of Pharmaceutical Research, GLA University, Mathura 281406	India	
Dr Parkaj Gupta	Faculty, School of Medical and Allied Sciences, K. R. Mangalam University, Sohna Road, Gurgoan - 122103, Haryana, India	India	
Applicant			
Name	Address	Country	
Richa Tiwari	School of Pharmacy, Sharda University, Plot No. 32, 34, Knowledge Park III, Greater Noida, Uttar Pradesh, 201310	India	
Dr. Amit Kr Verma	Faculty, Dept of Pharmacy, MJP Rohilkhand University, Bareilly,Uttar Pradesh 243006	India	

Abstract

The present invention relates to a composition of the medicinal plants of genus Curculigo have emerged as a good source of the traditional medicines. To investigate the activity of extract of C. orchoides root in progesterone-induced obesity rats. A dose of 500 mg/kg and 1000 mg/kg extract of C. orchoides root and 50 mg/kg Orlistat progressive restore in blood glucose, lipid profile, and oxidative stress biomarkers in all treatment groups during study. The study suggests that the extract of Curculigo root dose dependent manner produce antioesity effects in progesterone-induced obesity rats.

Complete Specification

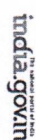
The present invention relates to an effective treatment in management of obesity owing to its potential anti-obesity effect by using extract of Curculigo orchoides. BACKGROUND OF THE INVENTION

Plants have been used in number of systems of medicine in the whole world including India. Atharvaveda suggest that man learnt the therapeutic value of plants by observing the behavior of wild animals and birds in disease. Traditional medicine that has been adopted by other populations is often termed alternative or complementary medicine. People tend to rely on traditional and other forms of complementary and alternative medicine for chronic conditions which do not respond to conventional or modern drug treatments. In the western world documentation, use of natural substances for medicinal purposes can be found since 78 A.D., when Materia Medica was written by Dioscorides, describing thousands of herbs and medicinal plants. Current research in drug discovery from medicinal plants involve multifaceted approach combining botanical, phytochemical, biological, and molecular techniques. In 19th century, chemical analysis and scientists start to extract and modify the active constituents from plants. Later, chemists began making their own version of plant compounds. Now days almost one fourth of pharmaceuticals derived from botanicals. Recently, World Health Organization estimated that 80% of people going towards the use of herbal medicines in different parts of the world side effects of synthetic medicine.

The following prior art is being reported:
 CN103417762 The invention relates to a method for extracting curculigo orchoides total glycoside matter from curculigo orchoides and the application of the curculigo orchoides total glycoside matter in preparing perimenopausal syndrome preventing and curing drugs. The problem of extracting curculigo orchoides total glycoside from the curculigo orchoides is to separate the


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Application Details

APPLICATION NUMBER	202111041866
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	16/09/2021
APPLICANT NAME	1. Dr. Kanika Sachdeva 2. CA. Kamakshi Mehta 3. Dr. Anita Sharma 4. Dr. Pranav Mishra 5. Dr. Nagendra Pal 6. Mr Shiv Swaroop Jha 7. Dr. Harkishni Nain 8. Dr. Rashmi Singel 9. CMA Dr. Kinnary Thakkar 10. Mr. Abhijit Nagnath 11. Krushnavadan Ramjibhai Parmar 12. Dr. Sayad Mahejabin Dildar 13. Dr Mohammed Abdul rafiey 14. Dr. Indrajeet Ramdas Bhagat
TITLE OF INVENTION	A METHOD FOR PREDICTING AN INVESTMENT BEHAVIOR BY ANALYSING AN EFFECT OF A GLOBAL EVENT ON A STOCK MARKET
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	ramesh.panda.mech@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	
E-MAIL (UPDATED Online)	
PRIORITY DATE	
REQUEST FOR EXAMINATION DATE	16/09/2021
PUBLICATION DATE (U/S 11A)	01/10/2021

Application Status

APPLICATION STATUS

Abandoned U/s 21(1)

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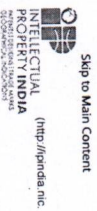

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Patent Search

SYSTEM FOR CASH DEPOSITING AND DISPENSING WITH AUTO SANITIZATION FUNCTIONALITY BASED ON THE INTERNET OF THINGS

Invention Title	SYSTEM FOR CASH DEPOSITING AND DISPENSING WITH AUTO SANITIZATION FUNCTIONALITY BASED ON THE INTERNET OF THINGS		
Publication Number	24/2021		
Publication Date	11/06/2021		
Publication Type	INA		
Application Number	202141022387		
Application Filing Date	19/05/2021		
Priority Number			
Priority Country			
Priority Date			
Field Of Invention	ELECTRONICS		
Classification (IPC)	G07D0019000000, G07D0011000000, G07D001020000, A61U002240000, G07D0011265000		
Inventor			
Name	Address	Country	
Dr. Dev/A	Assistant Professor, Rewa University, School of Computer Science and Applications, Bangalore, India	India	
Dr. Kolachina Srinivas	Associate Professor, KI Business School, KI Deemed to be University, KLEF, Greenfields, Vaddeswaram, Gunur District, Andhra Pradesh, India	India	
Dr. K. Bhavana Raj	Assistant Professor, IPE (Institute of Public Enterprise), Survey No. 1266, Shamirpet (V&M), Medchal Malkajgiri Dist., Hyderabad, Telangana, India	India	
Ms.Charu Singh	Assistant Professor, Department of Electronics and Communication Engineering, School of Engineering and Technology, K R Mangalam University, Gurugram, Haryana, India	India	
Dr. Vivek Kapur	Professor & Director, G H Raisoni Institute of Engineering and Technology, Nagpur, Maharashtra, India	India	
Dr. Smriti Nikhil	Associate Professor and Head, Department of Artificial Intelligence, G H Raisoni Institute of Engineering and Technology, Nagpur, Maharashtra, India	India	
Dr. Richa Gupta	Associate Professor, Department of Applied Sciences, Global Institute of Technology and Management, Gurugram, Haryana, India	India	
Mr. Sachin Dhull	Assistant Professor, Department of Applied Sciences, Mechanical Engineering, Maharaja Surajmal Institute Of Technology, New Delhi, India	India	
Smriti Sachan	Assistant Professor, Department of Electronics and Communication, G. L. Bajaj Institute of Technology and Management, Greater Noida, India	India	
Mr. Dipesh Vaya	Assistant Professor and Head, Department of Computer Science & Engineering, SS College of Engineering, Umarda, Udaipur, Rajasthan, India	India	
Puja Acharya	Assistant Professor, Department of Electronics and Communication Engineering, K.R.Mangalam University, Sohna Road, Gurugram, India	India	
Mrs. Jyoti Gupta	Research Scholar, Department of Electronics and Communication Engineering, Jaypee Institute of Information Technology, Sector 62, Noida, Uttar Pradesh, India	India	
Applicant			

Name	Address	Country
Dr. Dev/A	Assistant Professor, Rewa University, School of Computer Science and Applications, Bangalore, India	India
Dr. Kolachina Srinivas	Associate Professor, KI Business School, KI Deemed to be University, KLEF, Greenfields, Vaddeswaram, Gunur District, Andhra Pradesh, India	India
Dr. K. Bhavana Raj	Assistant Professor, IPE (Institute of Public Enterprise), Survey No. 1266, Shamirpet (V&M), Medchal Malkajgiri Dist., Hyderabad, Telangana, India	India
Ms.Charu Singh	Assistant Professor, Department of Electronics and Communication Engineering, School of Engineering and Technology, K R Mangalam University, Gurugram, Haryana, India	India
Dr. Vivek Kapur	Professor & Director, G H Raisoni Institute of Engineering and Technology, Nagpur, Maharashtra, India	India
Dr. Smriti Nikhil	Associate Professor and Head, Department of Artificial Intelligence, G H Raisoni Institute of Engineering and Technology, Nagpur, Maharashtra, India	India
Dr. Richa Gupta	Associate Professor, Department of Applied Sciences, Global Institute of Technology and Management, Gurugram, Haryana, India	India
Mr. Sachin Dhull	Assistant Professor, Department of Applied Sciences, Mechanical Engineering, Maharaja Surajmal Institute Of Technology, New Delhi, India	India
Smriti Sachan	Assistant Professor, Department of Electronics and Communication, G. L. Bajaj Institute of Technology and Management, Greater Noida, India	India
Mr. Dipesh Vaya	Assistant Professor and Head, Department of Computer Science & Engineering, SS College of Engineering, Umarda, Udaipur, Rajasthan, India	India
Puja Acharya	Assistant Professor, Department of Electronics and Communication Engineering, K.R.Mangalam University, Sohna Road, Gurugram, India	India
Mrs. Jyoti Gupta	Research Scholar, Department of Electronics and Communication Engineering, Jaypee Institute of Information Technology, Sector 62, Noida, Uttar Pradesh, India	India

Abstract:

The present invention relates to system for cash depositing and dispensing with auto sanitization functionality based on the internet of things. The objective of the present invention is to solve the problems in the prior art technologies of disinfecting the cash dispensing or deposit in an automatic teller machine.

Complete Specification

Claims: 1. A system for smart cash auto sanitization functionality based on the internet of things, wherein the system comprises:

- An automatic teller machine, used to dispense the cash;
- A liquid sanitization unit, used to sanitize the cash at a first stage, wherein a sanitizing solution capable of sanitization the cash when sprayed on the cash without rinsing of the cash after the cash have been sprayed with the sanitizing solution;
- An Air sanitization unit, having a fan in communication with an outlet, the fan in communication with a circulation outlet, used for receiving an inflow of air to rectify through the circulation outlet;
- An ultraviolet light sanitization unit, used for emits ultraviolet light a wavelength of light to of range 122-230 nm to the cash through a means carrying the cash and intersected with ultraviolet light, wherein ultraviolet light sanitization unit reacts with the virus or microbes to eliminate virus or microbes in the cash;
- A outer shape comprising a first inlet and a second outlet end for cash may be move inside from different sanitization unit, and a receive unit is used for receive cash after disinfection and connected to the automatic teller machine; and
- A control unit, used to control operation of the system using a processing unit.

- The system for smart cash auto sanitization functionality based on the internet of things as claimed in claim 1, a motor drive circuit is used to move cash from a sanitization unit of either

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Application Details

APPLICATION NUMBER	202131020491
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	05/05/2021
APPLICANT NAME	1. Kumar Devadutta 2. Navaneetha Krishnan Rajagopal 3. Muhammed Yousoof Ismail 4. Dr. Padmavati Shrivastava 5. Dr. Ashwini Kumar 6. Dr. Rajesh Deb Barman 7. Dr. Vineet Dahiya 8. Dr. Manish Gupta 9. Ms. Charu Singh 10. Dr. Niraj Upadhyaya
TITLE OF INVENTION	SYSTEM FOR DEPRESSION DETECTION USING TEXTUAL AND EMOJI ANALYSIS IN SOCIAL-MEDIA THROUGH MACHINE LEARNING
FIELD OF INVENTION	COMPUTER SCIENCE
E-MAIL (As Per Record)	1990uditramodiya@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	1990uditramodiya@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	11/06/2021

Application Status

APPLICATION STATUS

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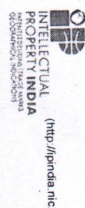
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Patent Search

Invention Title ZIRCONIUM AND URANIUM METAL COMPLEXES OF SEMICARBAZIDE DERIVATIVES WITH ANTIBACTERIAL ACTIVITY

Publication Number 24/2021

Publication Date 11/06/2021

Publication Type INA

Application Number 202111023457

Application Filing Date 26/05/2021

Priority Number

Priority Country

Priority Date

Field Of Invention BIOTECHNOLOGY

Classification (IPC) A61K0035742000, C12N0015750000, C07D0471040000, A61K0038000000, A61P0031040000

Inventor

Name

Address

Country

N

Dr. CHANDRA MOHAN

Dr. VINOD KUMAR

Dr. SARLA KUMARI

Dr. NEEBA KUMARI

Applicant

Name

Address

Country

N

Dr. CHANDRA MOHAN

Dr. VINOD KUMAR

Dr. SARLA KUMARI

Dr. NEEBA KUMARI

Applicant

Name

Address

Country

N

Dr. CHANDRA MOHAN

Dr. VINOD KUMAR

Dr. SARLA KUMARI

Dr. NEEBA KUMARI

Applicant

Name

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Complete Specification

The present invention relates to a synthesis, characterization and antibacterial studies of semicarbazide based Schiff bases and their Pb(II), Zr(IV) and U(VI) complex complexes have also been synthesized by using Zn²⁺, Pb²⁺ and U⁶⁺ ions. Schiff bases of semicarbazide are often having promising biological activities like anti-inflam anti-depressant, antiparasitic, antibacterial etc. Schiff base ligand and metal complexes were characterized and have shown appropriate results when analyzed on UV FT-IR and antibacterial activities. They were tested against Gram-negative (E. coli, MTCC No. 4521) and Gram-positive (Bacillus sp MTCC No. 2971) bacterial strains by Bauer's method. Schiff base complexes of Zirconium [Zr(IV)(Cl)₂] and lead [Pb(IV)(Cl)₂] were found to be more active against both bacterial strains having zone of inhibi 0.2 ± 10.23 ± 0.5 mm and 12.02 ± 0.3 ± 11.05 ± 0.3 mm on E. coli and on Bacillus species respectively.

BACKGROUND OF THE INVENTION

From past few decades, coordination chemistry has been enriched due to synthesis of various types of coordination complexes where metal ions are coordinated w various types of ligands. In coordination chemistry, Schiff bases are generally known to combine with various metal ions which make them very useful as spectrosc catalysis for the oxidation, reduction, hydrolysis, biological activity and many other reactions in organic and inorganic chemistry.

Schiff bases are the compound containing azomethine group (C=N) and was first reported in 1864 by Hugo Schiff. They are usually prepared by the condensa carbonyl compounds with primary amines in presence of acid or base catalyst and heating the mixture. The common structural features of these compounds are azomethine group with a general formula R²C=NR where, R and R' are alkyl, aryl, cycloalkyl or heterocyclic groups and substituted derivatives.

Schiff base complexes with specific metal ions such as Ag(I), Au(III), Ni(II), Cu(II), Cd(II), Gd(III), Y(III) show excellent catalytic activity in various types of reactions that o high temperature (> 100 °C) and in the presence of moisture. The application of Schiff bases are found in food industry, dye industry, analytical chemistry, as cataly fungicidal, agrochemical and as biologically active compounds. In recent years, attention on Schiff bases and their metal complexes are increasing due to their remi hindered and non-hydroxyl functional groups.

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Application Details

APPLICATION NUMBER	202111021342
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	11/05/2021
APPLICANT NAME	<ol style="list-style-type: none"> 1. Ningthoujam Chidananda Singh 2. Mohammed Azam 3. Shubham Joshi 4. Dr. Anupam Kumari 5. Dr. Sudheer S Marar 6. Dr. Sahil Vashisht 7. Dr. Nancy Arya 8. Dr.Vineet Dahiya 9. Ms. Minakshi Karoch 10. Ms.Charu Singh 11. Dr. Monika
TITLE OF INVENTION	SMART WIRELESS CHARGING SYSTEM FOR INTERNET OF THINGS (IOT) DEVICES IN HOME AUTOMATION & METHOD THEREOF
FIELD OF INVENTION	COMMUNICATION
E-MAIL (As Per Record)	1990uditmamodiya@gmail.com
ADDITIONAL-E-MAIL (As Per Record)	1990uditmamodiya@gmail.com
E-MAIL (UPDATED Online)	
PRIORITY DATE	--
REQUEST FOR EXAMINATION DATE	--
PUBLICATION DATE (U/S 11A)	21/05/2021

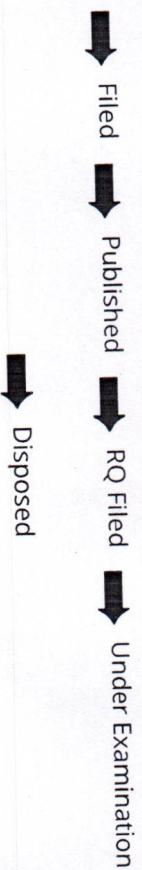
Application Status

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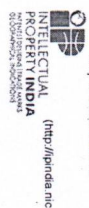
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Patent Search

Invention Title SYSTEM FOR INTELLIGENT TRAFFIC CONTROL AND MANAGEMENT FOR EMERGENCY VEHICLES USING INTERNET OF THINGS AND IMAGE PROCESSING

Publication Number	20/2021	
Publication Date	14/05/2021	
Publication Type	INA	
Application Number	202111020928	
Application Filing Date	08/05/2021	
Priority Number		
Priority Country		
Field Of Invention	ELECTRONICS	
Classification (IPC)	G08G0001096500, G08G0001087000, H04W0084120000, H04W0016140000, G08G0001010000	
Inventor		
Name	Address	Country
Dhyanshu Sinha	Saria Vihar, New Delhi, India	India
Dr. RAJKUMAR JASWAR	Assistant Professor, Department of Electronics and Communication Engineering, Faculty of Engineering and Technology, SGT UNIVERSITY, Gurugram, Haryana	India
Dr.Vineet Dahiya	Associate Professor, Department of Electrical and Electronics Engineering, School of Engineering and Technology, K R Mangalam University, Gurugram, Haryana, India	India
Dr. Sapna Kalyar	Professor, Department of Electronics & Communication Engineering, ABES Institute of Technology, Ghaziabad, India	India
Mr. Bhavesh Vyas	Assistant Professor, Department of Electrical and Electronics Engineering, School of Engineering and Technology, K R Mangalam University, Gurugram, Haryana, India	India
Ms.Charu Singh	Assistant Professor, Department of Electronics and Communication Engineering, School of Engineering and Technology, K R Mangalam University, Gurugram, Haryana, India	India
Dr. ASHWINI KUMAR	Associate Professor, Department of Mechanical Engineering, SGT UNIVERSITY, Gurugram, Haryana, India	India
Mr. Ankit Tyagi	Assistant Professor, Department of Mechanical Engineering, SGT University, Gurugram, Haryana, India	India
Dr. Sumit Chaudhary	Assistant Professor, Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, India	India
Mrs. Sonia	Research Scholar, Department of Production and Industrial Engineering, Punjab Engineering College (Deemed to be University), Chandigarh, India	India
Surekha Bhagwan Puri	Assistant Professor, Department of Electronics and Telecommunication Engineering, Hon. Shri Babanrao Pachpute Vichardhara Trust's Parkrama Group of Institutions College of Engineering Kashu, SPU University, Pune, Maharashtra, India	India
Rajat Verma	Assistant Professor, Department of Computer Science & Engineering, Pranveer Singh Institute of Technology, Kanpur, Uttar Pradesh, India	India
Applicant		

Name	Address	Country
Dhyanshu Sinha	Saria Vihar, New Delhi, India	India
Dr. RAJKUMAR JASWAR	Associate Professor, Department of Electronics and Communication Engineering, Faculty of Engineering and Technology, SGT UNIVERSITY, Gurugram, Haryana	India
Dr.Vineet Dahiya	Associate Professor, Department of Electrical and Electronics Engineering, School of Engineering and Technology, K R Mangalam University, Gurugram, Haryana, India	India
Dr. Sapna Kalyar	Professor, Department of Electronics & Communication Engineering, ABES Institute of Technology, Ghaziabad, India	India
Mr. Bhavesh Vyas	Assistant Professor, Department of Electrical and Electronics Engineering, School of Engineering and Technology, K R Mangalam University, Gurugram, Haryana, India	India
Ms.Charu Singh	Assistant Professor, Department of Electronics and Communication Engineering, School of Engineering and Technology, K R Mangalam University, Gurugram, Haryana, India	India
Dr. ASHWINI KUMAR	Associate Professor, Department of Mechanical Engineering, SGT UNIVERSITY, Gurugram, Haryana, India	India
Mr. Ankit Tyagi	Assistant Professor, Department of Mechanical Engineering, SGT University, Gurugram, Haryana, India	India
Dr. Sumit Chaudhary	Assistant Professor, Department of Mechanical Engineering, Thapar Institute of Engineering and Technology, Patiala, India	India
Mrs. Sonia	Research Scholar, Department of Production and Industrial Engineering, Punjab Engineering College (Deemed to be University), Chandigarh, India	India
Surekha Bhagwan Puri	Assistant Professor, Department of Electronics and Telecommunication Engineering, Hon. Shri Babanrao Pachpute Vichardhara Trust's Parkrama Group of Institutions College of Engineering, Kashu, SPU University, Pune, Maharashtra, India	India
Rajat Verma	Assistant Professor, Department of Computer Science & Engineering, Pranveer Singh Institute of Technology, Kanpur, Uttar Pradesh, India	India

Abstract:

The present invention relates to system for intelligent traffic control and management for emergency vehicles using internet of things and image processing. The object present invention is to solve the problems in the prior art technologies related to traffic control for emergency vehicle.

Complete Specification

The present invention relates to the technical field of internet of things sensor based traffic control. The present invention relates to field of intelligent traffic control technical field, in particular to a kind of urban traffic intelligent control system. The present invention is also related to field of a traffic signal controller when an emergency vehicle is detected. More particularly, the present invention is related to system for intelligent traffic control and management for emergency vehicles using internet of thing image processing.

BACKGROUND & PRIOR ART

The subject matter discussed in the background section should not be assumed to be prior art merely as a result of its mention in the background section. Similarly problem mentioned in the background section or associated with the subject matter of the background section should not be assumed to have been previously recognized in the prior art. The subject matter in the background section merely represents different approaches, which in-and-of-themselves may also be inventions. Some of the prior related works are as follows:

CN209087143U Intelligent traffic light node control system presents "an intelligent traffic light node control system which comprises a traffic light master controller, an electronic tag, a ground induction coil detector and an computer, wherein the ground induction coil detector is composed of an annular coil sensor and a single-chip microcomputer. The traffic light master controller controls an electronic tag reader on an antenna, an STM32 controller, a traffic light detector module, a WIFI communication module and an OV7670 camera. Emergency vehicles are

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OF COMMERCIAL NOTIFICATIONS

Application Details

APPLICATION NUMBER	201911011584
APPLICATION TYPE	ORDINARY APPLICATION
DATE OF FILING	26/03/2019
APPLICANT NAME	1. DR. PANKAJ GUPTA 2. DR. ALKA GUPTA 3. DR. RAJ NARAYAN GUPTA
TITLE OF INVENTION	OPHTHALMIC FORMULATION OF A THIOPHENYL COMPOUND FROM TAGETES ERRECTA ROOTS WITH ANTICATARACT POTENTIAL
FIELD OF INVENTION	CHEMICAL
E-MAIL (As Per Record)	ashish.ipindia@hotmail.com
ADDITIONAL-E-MAIL (As Per Record)	ashish.ipindia@hotmail.com
E-MAIL (UPDATED Online)	
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REQUEST FOR EXAMINATION DATE	25/03/2023
PUBLICATION DATE (U/S 11A)	24/05/2019
REPLY TO FER DATE	07/03/2024

Application Status

APPLICATION STATUS
Reply Filed. Application in amended
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